

Tobacco Institute Testing Laboratory Market Sample 30

Report Supplement

*Company Summaries
Sorted Results
Rounded Results
Per Cigarette Data
Butt Lengths*

April 1988

PM3000762812

**Tobacco Institute Testing Laboratory
Market Sample 30
Company Results**

American Tobacco

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
Carlton KFHP	< 0.5	< 0.05	< 0.5
Carlton KFSP	1.1±0.1	0.13±0.01	2.0±0.1
Carlton KFMSP	0.6±0.1	0.09±0.01	1.3±0.1
Carlton 100's 100FHP	0.8±0.1	0.11±0.01	1.1±0.1
Carlton 100's 100FMHP	0.7±0.1	0.10±0.01	0.9±0.1
Carlton 100's 100FSP	3.3±0.1	0.33±0.01	4.4±0.2
Carlton 100's 100FMSP	4.4±0.2	0.42±0.01	6.3±0.3
Carlton 120's 120FSP	5.9±0.2	0.57±0.01	5.0±0.2
Carlton 120's 120FMSP	6.1±0.2	0.60±0.02	5.1±0.2
Herbert Tareyton KNFSP	25.0±0.5	1.57±0.03	17.8±0.3
Lucky Strike RNFSP	24.3±0.4	1.50±0.02	17.0±0.4
Lucky Strike KFHP	11.7±0.2	0.88±0.02	12.6±0.3
Lucky Strike KFSP	11.7±0.2	0.87±0.02	12.4±0.4
Lucky Strike Filters 100's 100FSP	12.0±0.2	0.96±0.02	12.5±0.3
Lucky Strike Menthol 100's 100FMSP	11.6±0.3	0.92±0.02	12.3±0.3
Lucky Strike Lights KFSP	8.1±0.2	0.65±0.01	9.9±0.3
Lucky Strike Lights 100's 100FSP	9.2±0.2	0.75±0.02	10.3±0.3
Malibu 100's 100FSP	12.0±0.5	0.96±0.04	12.9±0.5
Malibu Menthol 100's 100FMSP	11.5±0.2	0.94±0.02	11.7±0.4
Malibu Light's 100's 100FSP	8.7±0.2	0.75±0.02	10.0±0.3
Pall Mall KNFSP	23.7±0.4	1.54±0.02	16.1±0.3
Pall Mall 25's KNFSP	23.6±0.5	1.54±0.03	16.2±0.4
Pall Mall 100's 100FSP	16.7±0.4	1.24±0.02	16.8±0.5
Pall Mall Unfiltered Lights KNFSP	16.2±0.9	1.10±0.04	12.0±1.0
Pall Mall Light 100's 100FSP	10.4±0.2	0.83±0.02	12.0±0.4
Pall Mall Light 100's Low Tar 100FMSP	13.3±0.2	1.06±0.02	12.9±0.3
Pall Mall Red KFSP	13.8±0.3	1.02±0.02	12.9±0.3
Pall Mall Red 100FSP	13.6±0.3	1.04±0.02	14.0±0.3
Silva Thins Filters 100FHP	10.3±0.2	0.87±0.02	11.1±0.2
Silva Thins Menthol 100FMHP	11.3±0.2	0.97±0.02	11.4±0.3
Silva Thins 100FSP	11.6±0.2	0.94±0.02	10.2±0.3
Silva Thins Menthol 100FMSP	12.1±0.2	1.01±0.02	10.4±0.3
Tall 120s 120FSP	19.9±0.4	1.64±0.04	20.7±0.6
Tall 120s 120FMSP	17.8±0.4	1.54±0.03	17.6±0.6
Tareyton KFSP	13.8±0.3	0.95±0.02	15.3±0.3
Tareyton 100's 100FSP	13.5±0.3	0.97±0.02	16.2±0.4
Tareyton Lights KFSP	5.1±0.2	0.42±0.02	5.7±0.3
Tareyton Long Lights 100FSP	8.6±0.2	0.71±0.02	9.2±0.3

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Company Results

Brown & Williamson Tobacco Corporation

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Belair KFMSF	10.4±0.2	0.82±0.02	9.8±0.2
Belair 100's 100FMSP	8.6±0.3	0.66±0.02	9.2±0.4
Capri 100FHP	8.8±0.2	0.76±0.02	6.2±0.2
Capri 100FMHP	8.8±0.2	0.71±0.01	5.9±0.2
Eli Cutter KFSP	16.1±0.2	1.10±0.03	15.4±0.2
Eli Cutter Lights KFSP	12.1±0.3	0.93±0.02	13.4±0.3
Falcon Lights KFSP	11.1±0.2	0.77±0.02	10.9±0.2
Falcon Lights KFMSF	10.5±0.3	0.78±0.02	12.1±0.4
Falcon Lights 100's 100FSP	12.6±0.2	0.87±0.02	15.2±0.4
Falcon Lights 100's 100FMSP	8.5±0.2	0.68±0.02	10.5±0.3
Fiesta KFSP	16.1±0.2	0.71±0.01	18.4±0.3
Kim 25's 100FHP	10.9±0.3	0.87±0.01	11.6±0.4
Kim 25's 100FMHP	9.3±0.2	0.78±0.02	9.9±0.2
Kool RNFMSF	21.5±0.8	1.34±0.05	14.3±0.4
Kool KFMSF	15.6±0.3	1.09±0.02	15.8±0.3
Kool KFMSF	16.9±0.4	1.18±0.03	16.5±0.4
Kool Super Longs 100's 100FMSP	16.2±0.2	1.23±0.03	16.3±0.3
Kool Lights KFMSF	8.5±0.3	0.70±0.02	9.2±0.3
Kool Lights 100's 100FMSP	8.7±0.5	0.73±0.03	9.8±0.5
Kool Milds KFMSF	11.5±0.3	0.86±0.02	11.1±0.3
Kool Milds KFMSF	11.9±0.3	0.92±0.02	12.6±0.3
Kool Milds 100's 100FMSP	11.5±0.2	0.92±0.02	12.2±0.2
Kool Ultra KFMSF	3.0±0.3	0.28±0.03	3.7±0.4
Kool Ultra 100's 100FMSP	5.5±0.1	0.49±0.01	6.1±0.3
Raleigh KNFSP	24.0±0.4	1.38±0.03	17.0±0.4
Raleigh KFSP	15.0±0.2	0.96±0.02	14.5±0.3
Raleigh 100's 100FSP	15.3±0.3	0.99±0.02	16.2±0.3
Raleigh Lights KFSP	11.6±0.2	0.86±0.01	13.5±0.3
Raleigh Lights 100's 100FSP	11.2±0.3	0.86±0.02	13.3±0.4
Richland (25) KFSP	16.6±0.3	1.16±0.03	15.7±0.3
Richland (25) KFMSF	16.4±0.3	1.09±0.02	16.1±0.3
Richland (25) 100's 100FSP	17.7±0.3	1.31±0.02	17.2±0.4
Richland (25) 100's 100FMSP	16.2±0.2	1.18±0.03	16.6±0.3
Richland Lights (25) KFSP	10.8±0.2	0.79±0.02	12.5±0.2
Richland Lights (25) 100's 100FSP	12.4±0.2	0.92±0.02	14.4±0.4
Viceroy KFSP	15.1±0.3	0.96±0.02	14.7±0.3
Viceroy Super Long 100's 100FSP	15.8±0.4	1.14±0.02	15.1±0.4
Viceroy Lights KFSP	11.5±0.3	0.86±0.02	13.4±0.4
Viceroy Lights 100's 100FSP	11.8±0.2	0.91±0.02	14.0±0.4

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Tobacco Institute Testing Laboratory
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Company Results

Liggett & Myers Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Chesterfield RNFSP	20.5±0.5	1.30±0.03	13.2±0.3
Chesterfield KNFSP	24.7±0.5	1.69±0.04	15.7±0.3
Eve Slim Lights 100's 100FHP	12.8±0.2	1.04±0.02	11.1±0.2
Eve Slim Lights 100's 100FMHP	12.8±0.3	1.03±0.02	10.9±0.3
Eve Lights 120's 120FHP	12.3±0.3	1.07±0.03	10.7±0.4
Eve Lights 120's 120FMHP	12.5±0.4	1.11±0.03	10.8±0.4
L & M KFHP	13.9±0.3	1.09±0.02	13.3±0.3
L & M KFSP	13.4±0.2	1.04±0.02	12.9±0.2
L & M Super 100 100FSP	13.8±0.2	1.09±0.03	13.9±0.3
L & M Long Lights 100FSP	7.6±0.2	0.79±0.02	6.2±0.2
L & M 30's Lights 100's 100FSP	12.8±0.2	1.08±0.02	10.7±0.3
Lark KFSP	13.3±0.1	1.05±0.02	12.2±0.3
Lark 100FSP	14.8±0.3	1.20±0.03	14.5±0.4
Lark Lights KFSP	13.1±0.2	1.01±0.02	12.8±0.4
Lark Light 100's 100FSP	13.8±0.3	1.09±0.02	14.1±0.4

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**Tobacco Institute Testing Laboratory
Market Sample 30
Company Results**

Lorillard, Inc.

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kent Golden Lights KFHP	9.6±0.3	0.84±0.02	10.5±0.4
Kent Golden Lights KFSP	8.7±0.3	0.79±0.02	9.4±0.5
Kent Golden Lights KFMSP	8.0±0.2	0.73±0.02	8.8±0.4
Kent Golden Lights 100s 100FHP	9.9±0.3	0.91±0.02	10.6±0.5
Kent Golden Lights 100s 100FSP	10.3±0.4	0.94±0.03	11.2±0.4
Kent Golden Lights 100s 100FMSP	9.2±0.3	0.86±0.02	9.8±0.4
Kent KFHP	11.5±0.3	0.87±0.02	12.8±0.4
Kent KFSP	12.3±0.4	0.93±0.03	13.4±0.4
Kent 100s 100FSP	13.4±0.2	1.04±0.02	13.8±0.3
Kent 100s 100FMSP	13.6±0.3	1.00±0.03	14.4±0.3
Kent III KFSP	3.7±0.2	0.39±0.02	4.4±0.3
Kent III 100s 100FHP	4.9±0.2	0.48±0.02	6.3±0.3
Kent III 100s 100FSP	5.3±0.3	0.52±0.02	7.1±0.4
Max 120s 120FSP	17.7±0.3	1.45±0.03	16.7±0.5
Max 120s 120FMSP	18.2±0.4	1.51±0.02	16.8±0.5
Newport KFMHP	16.6±0.3	1.28±0.02	16.9±0.4
Newport KFMSP	17.3±0.2	1.33±0.02	17.7±0.3
Newport 100's 100FMHP	19.3±0.3	1.53±0.03	19.0±0.3
Newport 100's 100FMSP	19.4±0.3	1.53±0.03	18.9±0.4
Newport (25) KFMSP	16.8±0.3	1.29±0.03	17.0±0.4
Newport 100's (25) 100FMSP	19.6±0.3	1.55±0.03	19.0±0.4
Newport Lights KFMHP	9.2±0.2	0.84±0.02	10.1±0.3
Newport Lights KFMSP	9.0±0.2	0.82±0.02	9.9±0.3
Newport Lights 100's 100FMHP	10.2±0.3	0.97±0.03	10.8±0.4
Newport Lights 100's 100FMSP	9.4±0.2	0.87±0.02	9.9±0.3
Old Gold Straights KNFSP	26.9±0.4	1.91±0.03	18.8±0.3
Old Gold Filters KFSP	17.5±0.4	1.34±0.03	18.2±0.4
Old Gold Filter 100's 100FSP	19.7±0.3	1.52±0.03	19.5±0.4
Old Gold Lights KFSP	9.7±0.2	0.87±0.02	11.2±0.3
Old Gold Lights 100s 100FSP	13.0±0.2	1.02±0.02	16.7±0.3
Satin 100FSP	11.0±0.3	0.97±0.02	12.7±0.3
Satin 100FMSP	11.3±0.3	1.00±0.02	13.2±0.4
Spring 100's 100FMSP	19.4±0.2	1.56±0.02	18.5±0.3
Triumph KFSP	3.6±0.1	0.37±0.02	4.3±0.2
Triumph KFMSP	3.5±0.2	0.37±0.02	4.3±0.3
Triumph 100s 100FSP	5.1±0.2	0.50±0.01	6.7±0.2
Triumph 100s 100FMSP	5.7±0.2	0.55±0.02	7.5±0.4
True KFSP	4.8±0.2	0.47±0.02	5.8±0.2
True KFMSP	4.7±0.3	0.46±0.03	5.8±0.3
True 100's 100FSP	7.1±0.3	0.67±0.03	7.4±0.4
True 100's 100FMSP	7.2±0.4	0.68±0.03	7.5±0.4

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**Tobacco Institute Testing Laboratory
Market Sample 30
Company Results**

Philip Morris U.S.A.

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Alpine KFMSP	17.0±0.4	1.08±0.02	15.7±0.4
Benson & Hedges KFHP	15.1±0.4	1.18±0.02	11.5±0.3
Benson & Hedges 100's 100FHP	16.8±0.2	1.16±0.02	16.1±0.4
Benson & Hedges 100's 100FMHP	16.3±0.3	1.13±0.02	15.1±0.4
Benson & Hedges 100's 100FSP	17.0±0.3	1.19±0.02	17.2±0.4
Benson & Hedges 100's 100FMSP	16.4±0.2	1.16±0.02	16.1±0.4
B&H Deluxe Ultra Lights 100's 100FHP	5.8±0.3	0.49±0.02	7.1±0.4
B&H Deluxe Ultra Lights 100's 100FMHP	5.4±0.2	0.49±0.02	6.2±0.4
Benson & Hedges Lights 100's 100FSP	10.5±0.2	0.81±0.02	12.8±0.3
Benson & Hedges Lights 100's 100FMSP	10.6±0.2	0.78±0.02	12.2±0.3
Benson & Hedges Multifilter KFSP	12.1±0.2	0.87±0.02	11.6±0.3
Cambridge Full Flavor KFSP	17.0±0.3	1.08±0.02	16.1±0.3
Cambridge Full Flavor 100's 100FSP	17.2±0.3	1.15±0.02	15.9±0.4
Cambridge Lights KFSP	12.2±0.2	0.84±0.02	12.5±0.3
Cambridge Lights KFMSP	11.9±0.3	0.81±0.03	12.5±0.3
Cambridge Lights 100's 100FSP	11.9±0.2	0.87±0.02	14.4±0.2
Cambridge Lights 100's 100FMSP	11.8±0.2	0.86±0.01	14.0±0.3
English Ovals KNFHP	24.2±0.6	1.84±0.05	15.3±0.4
Hi-Lite 100FHP	13.8±0.2	1.01±0.02	14.5±0.4
Marlboro KFHP	16.3±0.3	1.08±0.02	14.9±0.4
Marlboro KFSP	16.8±0.2	1.11±0.02	15.8±0.3
Marlboro KFMSP	16.8±0.2	1.09±0.01	15.6±0.3
Marlboro 100's 100FHP	16.6±0.3	1.16±0.02	16.5±0.5
Marlboro 100's 100FSP	16.9±0.3	1.17±0.02	16.6±0.5
Marlboro 25's KFSP	16.9±0.4	1.07±0.02	15.6±0.4
Marlboro Lights KFHP	10.7±0.2	0.77±0.01	11.9±0.2
Marlboro Lights KFSP	11.2±0.2	0.80±0.01	12.1±0.4
Marlboro Lights KFMSP	11.0±0.2	0.79±0.02	12.1±0.3
Marlboro Lights 100's 100FHP	10.9±0.2	0.82±0.01	12.9±0.4
Marlboro Lights 100's 100FSP	11.2±0.2	0.83±0.02	13.2±0.3
Marlboro Lights 100's 100FMSP	10.0±0.2	0.78±0.02	11.7±0.2
Marlboro Lights 25's KFSP	11.3±0.2	0.79±0.02	12.2±0.3
Marlboro 100 Red 100FHP	16.8±0.2	1.19±0.02	17.0±0.3
Marlboro 100 Red 100FSP	16.7±0.3	1.18±0.02	16.0±0.3
Merit KFHP	8.2±0.2	0.63±0.01	10.1±0.3
Merit KFSP	8.2±0.2	0.62±0.01	10.0±0.3
Merit KFMSP	7.8±0.2	0.59±0.01	9.7±0.2
Merit 100's 100FSP	9.9±0.2	0.78±0.02	11.8±0.3
Merit 100's 100FMSP	10.0±0.2	0.76±0.02	11.6±0.2
Merit Ultra Lights KFSP	5.2±0.2	0.46±0.02	6.7±0.3
Merit Ultra Lights KFMSP	4.7±0.1	0.41±0.01	5.8±0.2
Merit Ultra Lights 100's 100FSP	5.6±0.1	0.50±0.01	7.5±0.2
Merit Ultra Lights 100's 100FMSP	5.4±0.1	0.49±0.01	7.4±0.2

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**Tobacco Institute Testing Laboratory
Market Sample 30
Company Results**

Philip Morris U.S.A.

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Parliament Lights KFHP	9.1±0.2	0.68±0.01	9.7±0.2
Parliament Lights KFSP	9.3±0.3	0.70±0.02	10.4±0.4
Parliament Lights 100's 100FSP	12.4±0.2	0.95±0.02	13.1±0.4
Philip Morris RNFSP	22.7±0.4	1.34±0.02	13.3±0.3
Philip Morris Commander KNFSP	27.2±0.5	1.65±0.03	16.3±0.4
Philip Morris Blues KFMSP	16.9±0.3	1.18±0.02	16.0±0.3
Philip Morris Blues 100FMSP	15.5±0.2	1.15±0.02	15.6±0.4
Philip Morris International 100FHP	17.8±0.2	1.20±0.01	16.7±0.4
Philip Morris International 100FMHP	16.8±0.3	1.13±0.02	15.5±0.4
Players RNFHP	25.2±0.5	1.66±0.04	16.0±0.3
Players KFHP	11.6±0.2	0.81±0.01	12.1±0.4
Players KFMHP	11.9±0.2	0.81±0.01	12.2±0.2
Players 100's 100FHP	14.0±0.2	0.98±0.01	12.8±0.3
Players 100's 100FMHP	14.4±0.3	1.00±0.02	13.0±0.4
Players Lights 25's KFSP	10.2±0.2	0.72±0.01	11.2±0.3
Players Lights 25's KFMSP	10.1±0.3	0.72±0.02	11.0±0.3
Players 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.8±0.3
Players 25's Lights 100's 100FMSP	11.4±0.2	0.82±0.01	13.4±0.2
Saratoga 120's 120FHP	14.4±0.3	1.04±0.02	14.5±0.4
Saratoga 120's 120FMHP	14.9±0.3	1.06±0.02	14.9±0.3
Virginia Slims 100FSP	15.4±0.2	1.06±0.01	14.1±0.2
Virginia Slims 100FMSP	15.4±0.3	1.07±0.02	13.5±0.4
Virginia Slims Lights 100FHP	8.8±0.2	0.68±0.02	9.5±0.3
Virginia Slims Lights 100FMHP	8.6±0.2	0.68±0.02	9.2±0.2
Virginia Slims Lights 120's 120FHP	14.3±0.3	1.02±0.03	14.7±0.5
Virginia Slims Lights 120's 120FMHP	14.6±0.5	1.05±0.02	14.5±0.5
Virginia Slims Ultra Lights 100FHP	5.9±0.1	0.49±0.01	6.8±0.2
Virginia Slims Ultra Lights 100FMHP	6.3±0.1	0.52±0.01	7.3±0.2

**Tobacco Institute Testing Laboratory
Market Sample 30
Company Results**

R.J. Reynolds Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Bright 100s 100FMSP	6.7±0.1	0.49±0.02	10.7±0.2
Camel RNFSP	21.9±0.5	1.36±0.03	14.4±0.3
Camel Filters KFHP	16.5±0.2	1.03±0.01	16.3±0.3
Camel Filters KFSP	15.4±0.2	1.00±0.02	15.3±0.3
Camel Filters 100FSP	17.4±0.4	1.07±0.03	18.1±0.5
Camel Lights KFHP	9.6±0.2	0.61±0.01	11.7±0.2
Camel Lights KFSP	8.9±0.2	0.61±0.01	12.5±0.3
Camel Lights 100's 100FSP	11.2±0.3	0.78±0.01	14.5±0.3
Century 25's (25) KFSP	14.8±0.3	0.95±0.02	17.0±0.4
Century 25's 100's 100FSP	17.0±0.4	1.10±0.03	20.7±0.5
Century 25's Lights (25) KFSP	9.7±0.2	0.68±0.01	11.9±0.2
Century 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.7±0.4
Century 25's Menthol Lights 100's	11.9±0.3	0.84±0.02	13.6±0.3
Doral Full Flavor KFHP	15.2±0.3	0.80±0.02	18.1±0.5
Doral Full Flavor KFSP	17.8±0.2	0.91±0.01	19.5±0.4
Doral Full Flavor 100's 100FSP	14.2±0.2	0.81±0.02	16.6±0.3
Doral Filter Lights KFSP	12.3±0.3	0.66±0.02	15.0±0.4
Doral Menthol Filter Lights KFMSP	11.7±0.2	0.62±0.02	14.1±0.3
Doral 100's Filter Lights 100FSP	12.0±0.2	0.72±0.02	13.7±0.3
Doral Menthol Lights 100's 100FMSP	12.1±0.2	0.72±0.02	13.7±0.3
Doral Ultra Lights 100's 100FSP	6.8±0.2	0.46±0.02	11.7±0.4
Magna KFHP	14.1±0.4	0.89±0.02	15.9±0.5
Magna KFSP	14.2±0.3	0.93±0.02	14.9±0.3
Magna Lites KFSP	9.0±0.1	0.62±0.01	13.2±0.2
More 120s 120FSP	16.6±0.3	1.15±0.02	21.1±0.5
More 120s 120FMSP	16.9±0.5	1.25±0.03	21.3±0.7
More Lights 100s 100FHP	9.5±0.3	0.74±0.02	9.8±0.3
More Lights 100s 100FMHP	8.9±0.2	0.66±0.01	9.8±0.4
More Lights 120s 120FSP	12.0±0.3	0.89±0.02	19.1±0.4
More Lights 120s 120FMSP	11.8±0.2	0.91±0.02	19.2±0.5
Now KFHP	< 0.5	< 0.05	< 0.5
Now KFSP	1.0±0.1	0.13±0.01	2.0±0.1
Now KFMSP	1.1±0.1	0.13±0.01	2.2±0.1
Now 100s 100FSP	2.1±0.1	0.23±0.01	3.4±0.2
Now 100s 100FMSP	2.7±0.1	0.27±0.01	4.5±0.2
Ritz 100 100FHP	11.7±0.2	0.83±0.02	13.0±0.2
Ritz 100 100FMHP	11.5±0.2	0.80±0.02	11.7±0.2
Salem KFMSP	15.7±0.3	0.97±0.02	18.4±0.4
Salem 100's 100FMSP	16.6±0.2	1.13±0.02	17.9±0.4
Salem Lights KFMSP	9.7±0.3	0.70±0.02	12.5±0.3
Salem Lights 100's 100FMHP	10.8±0.2	0.82±0.02	11.7±0.2
Salem Lights 100's 100FMSP	9.3±0.2	0.73±0.02	11.4±0.3
Salem Slim Lights 100's 100FMHP	9.1±0.2	0.72±0.02	9.8±0.2

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Tobacco Institute Testing Laboratory
Market Sample 30
Company Results

R.J. Reynolds Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Salem Ultra Lights KFMSP.....	5.1±0.1	0.42±0.01	7.7±0.20
Salem Ultra Lights 100's 100FMSP.....	4.7±0.1	0.43±0.02	7.4±0.20
Vantage KFSP.....	10.6±0.3	0.72±0.02	13.6±0.40
Vantage KFMSP.....	10.3±0.3	0.69±0.02	12.8±0.40
Vantage 100s 100FSP.....	8.8±0.1	0.62±0.01	12.3±0.20
Vantage Menthol 100s 100FMSP.....	8.4±0.1	0.61±0.02	12.5±0.30
Vantage Ultra Lights KFSP.....	5.3±0.2	0.44±0.01	7.7±0.40
Vantage Ultra Lights 100s 100FSP.....	5.6±0.1	0.47±0.02	9.2±0.30
Winston KFHP.....	16.4±0.2	1.03±0.01	16.4±0.30
Winston KFSP.....	16.8±0.3	1.09±0.02	15.9±0.20
Winston 100's 100FSP.....	17.2±0.3	1.07±0.02	17.5±0.30
Winston Lights KFHP.....	10.0±0.2	0.63±0.01	11.9±0.30
Winston Lights KFSP.....	10.9±0.2	0.75±0.01	13.5±0.40
Winston Lights 100's 100FHP.....	9.6±0.2	0.67±0.01	11.1±0.30
Winston Lights 100's 100FSP.....	11.2±0.2	0.79±0.01	13.0±0.30
Winston Ultra Lights KFSP.....	5.1±0.1	0.43±0.01	7.8±0.20
Winston Ultra Lights 100's 100FSP.....	5.1±0.1	0.45±0.01	8.6±0.20

Tobacco Institute Testing Laboratory
Market Sample 30
Company Results

Larus & Brother Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Craven "A" KFHP	15.5±0.3	1.13±0.02	15.7±0.3
Craven "A" RFHP	16.0±0.4	1.11±0.03	12.8±0.3
Dunhill International 100FHP.....	14.8±0.2	1.38±0.03	17.3±0.4
Dunhill Menthol 100FMHP	14.5±0.2	1.23±0.02	17.1±0.3
Dunhill International Superior Mild 100FHP.....	9.3±0.2	0.79±0.01	10.8±0.3
Rothmans KFHP	18.6±0.3	1.27±0.03	20.4±0.3
Rothmans Special Mild KFHP.....	13.8±0.2	1.01±0.02	15.6±0.3
St. Moritz Filter 100s 100FSP	14.8±0.3	1.10±0.02	14.8±0.3
St. Moritz Menthol Filter 100MSP	15.1±0.2	1.04±0.02	15.5±0.3

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**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Carlton KFHP	< 0.05	< 0.5	< 0.5
Now KFHP	< 0.05	< 0.5	< 0.5
Carlton KFMSP	0.09±0.01	0.6±0.1	1.3±0.1
Carlton 100's 100FMHP	0.10±0.01	0.7±0.1	0.9±0.1
Carlton 100's 100FHP	0.11±0.01	0.8±0.1	1.1±0.1
Now KFSP	0.13±0.01	1.0±0.1	2.0±0.1
Now KFMSP	0.13±0.01	1.1±0.1	2.2±0.1
Carlton KFSP	0.13±0.01	1.1±0.1	2.0±0.1
Now 100s 100FSP	0.23±0.01	2.1±0.1	3.4±0.2
Now 100s 100FMSP	0.27±0.01	2.7±0.1	4.5±0.2
Kool Ultra KFMSP	0.28±0.03	3.0±0.3	3.7±0.4
Carlton 100's 100FSP	0.33±0.01	3.3±0.1	4.4±0.2
Triumph KFSP	0.37±0.02	3.6±0.1	4.3±0.2
Triumph KFMSP	0.37±0.02	3.5±0.2	4.3±0.3
Kent III KFSP	0.39±0.02	3.7±0.2	4.4±0.3
Merit Ultra Lights KFMSP	0.41±0.01	4.7±0.1	5.8±0.2
Carlton 100's 100FMSP	0.42±0.01	4.4±0.2	6.3±0.3
Tareyton Lights KFSP	0.42±0.02	5.1±0.2	5.7±0.3
Salem Ultra Lights KFMSP	0.42±0.01	5.1±0.1	7.7±0.2
Salem Ultra Lights 100's 100FMSP	0.43±0.02	4.7±0.1	7.4±0.2
Winston Ultra Lights KFSP	0.43±0.01	5.1±0.1	7.8±0.2
Vantage Ultra Lights KFSP	0.44±0.01	5.3±0.2	7.7±0.4
Winston Ultra Lights 100's 100FSP	0.45±0.01	5.1±0.1	8.6±0.2
True KFMSP	0.46±0.03	4.7±0.3	5.8±0.3
Doral Ultra Lights 100's 100FSP	0.46±0.02	6.8±0.2	11.7±0.4
Merit Ultra Lights KFSP	0.46±0.02	5.2±0.2	6.7±0.3
True KFSP	0.47±0.02	4.8±0.2	5.8±0.2
Vantage Ultra Lights 100s 100FSP	0.47±0.02	5.6±0.1	9.2±0.3
Kent III 100s 100FHP	0.48±0.02	4.9±0.2	6.3±0.3
Kool Ultra 100's 100FMSP	0.49±0.01	5.5±0.1	6.1±0.3
Bright 100s 100FMSP	0.49±0.02	6.7±0.1	10.7±0.2
Merit Ultra Lights 100's 100FMSP	0.49±0.01	5.4±0.1	7.4±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP	0.49±0.02	5.4±0.2	6.2±0.4
Virginia Slims Ultra Lights 100FHP	0.49±0.01	5.9±0.1	6.8±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	0.49±0.02	5.8±0.3	7.1±0.4
Triumph 100s 100FSP	0.50±0.01	5.1±0.2	6.7±0.2
Merit Ultra Lights 100's 100FSP	0.50±0.01	5.6±0.1	7.5±0.2
Kent III 100s 100FSP	0.52±0.02	5.3±0.3	7.1±0.4
Virginia Slims Ultra Lights 100FMHP	0.52±0.01	6.3±0.1	7.3±0.2
Triumph 100s 100FMSP	0.55±0.02	5.7±0.2	7.5±0.4
Carlton 120's 120FSP	0.57±0.01	5.9±0.2	5.0±0.2
Merit KFMSP	0.59±0.01	7.8±0.2	9.7±0.2
Carlton 120's 120FMSP	0.60±0.02	6.1±0.2	5.1±0.2
Vantage Menthol 100s 100FMSP	0.61±0.02	8.4±0.1	12.5±0.3
Camel Lights KFHP	0.61±0.01	9.6±0.2	11.7±0.2
Camel Lights KFSP	0.61±0.01	8.9±0.2	12.5±0.3
Magna Lites KFSP	0.62±0.01	9.0±0.1	13.2±0.2

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**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Vantage 100s 100FSP	0.62±0.01	8.8±0.1	12.3±0.2
Merit KFSP	0.62±0.01	8.2±0.2	10.0±0.3
Doral Menthol Filter Lights KFMSF	0.62±0.02	11.7±0.2	14.1±0.3
Merit KFHP	0.63±0.01	8.2±0.2	10.1±0.3
Winston Lights KFHP	0.63±0.01	10.0±0.2	11.9±0.3
Lucky Strike Lights KFSP	0.65±0.01	8.1±0.2	9.9±0.3
Doral Filter Lights KFSP	0.66±0.02	12.3±0.3	15.0±0.4
Belair 100's 100FMSP	0.66±0.02	8.6±0.3	9.2±0.4
More Lights 100s 100FMHP	0.66±0.01	8.9±0.2	9.8±0.4
True 100's 100FSP	0.67±0.03	7.1±0.3	7.4±0.4
Winston Lights 100's 100FHP	0.67±0.01	9.6±0.2	11.1±0.3
True 100's 100FMSP	0.68±0.03	7.2±0.4	7.5±0.4
Century 25's Lights (25) KFSP	0.68±0.01	9.7±0.2	11.9±0.2
Virginia Slims Lights 100FMHP	0.68±0.02	8.6±0.2	9.2±0.2
Parliament Lights KFHP	0.68±0.01	9.1±0.2	9.7±0.2
Virginia Slims Lights 100FHP	0.68±0.02	8.8±0.2	9.5±0.3
Falcon Lights 100's 100FMSP	0.68±0.02	8.5±0.2	10.5±0.3
Vantage KFMSF	0.69±0.02	10.3±0.3	12.8±0.4
Parliament Lights KFSP	0.70±0.02	9.3±0.3	10.4±0.4
Kool Lights KFMSF	0.70±0.02	8.5±0.3	9.2±0.3
Salem Lights KFMSF	0.70±0.02	9.7±0.3	12.5±0.3
Fiesta KFSP	0.71±0.01	16.1±0.2	18.4±0.3
Tareyton Long Lights 100FSP	0.71±0.02	8.6±0.2	9.2±0.3
Capri 100FMHP	0.71±0.01	8.8±0.2	5.9±0.2
Vantage KFSP	0.72±0.02	10.6±0.3	13.6±0.4
Players Lights 25's KFMSF	0.72±0.02	10.1±0.3	11.0±0.3
Salem Slim Lights 100's 100FMHP	0.72±0.02	9.1±0.2	9.8±0.2
Players Lights 25's KFSP	0.72±0.01	10.2±0.2	11.2±0.3
Doral Menthol Lights 100's 100FMSP	0.72±0.02	12.1±0.2	13.7±0.3
Doral 100's Filter Lights 100FSP	0.72±0.02	12.0±0.2	13.7±0.3
Salem Lights 100's 100FMSP	0.73±0.02	9.3±0.2	11.4±0.3
Kent Golden Lights KFMSF	0.73±0.02	8.0±0.2	8.8±0.4
Kool Lights 100's 100FMSP	0.73±0.03	8.7±0.5	9.8±0.5
More Lights 100s 100FHP	0.74±0.02	9.5±0.3	9.8±0.3
Malibu Light's 100's 100FSP	0.75±0.02	8.7±0.2	10.0±0.3
Lucky Strike Lights 100's 100FSP	0.75±0.02	9.2±0.2	10.3±0.3
Winston Lights KFSP	0.75±0.01	10.9±0.2	13.5±0.4
Merit 100's 100FMSP	0.76±0.02	10.0±0.2	11.6±0.2
Capri 100FHP	0.76±0.02	8.8±0.2	6.2±0.2
Falcon Lights KFSP	0.77±0.02	11.1±0.2	10.9±0.2
Marlboro Lights KFHP	0.77±0.01	10.7±0.2	11.9±0.2
Falcon Lights KFMSF	0.78±0.02	10.5±0.3	12.1±0.4
Kim 25's 100FMHP	0.78±0.02	9.3±0.2	9.9±0.2
Camel Lights 100's 100FSP	0.78±0.01	11.2±0.3	14.5±0.3
Merit 100's 100FSP	0.78±0.02	9.9±0.2	11.8±0.3
Benson & Hedges Lights 100's 100FMSP	0.78±0.02	10.6±0.2	12.2±0.3
Marlboro Lights 100's 100FMSP	0.78±0.02	10.0±0.2	11.7±0.2

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
L & M Long Lights 100FSP.....	0.79±0.02	7.6±0.2	6.2±0.2
Dunhill International Superior Mild 100FHP.....	0.79±0.01	9.3±0.2	10.8±0.3
Kent Golden Lights KFSP.....	0.79±0.02	8.7±0.3	9.4±0.5
Richland Lights (25) KFSP.....	0.79±0.02	10.8±0.2	12.5±0.2
Winston Lights 100's 100FSP.....	0.79±0.01	11.2±0.2	13.0±0.3
Marlboro Lights 25's KFSP.....	0.79±0.02	11.3±0.2	12.2±0.3
Marlboro Lights KFMSP.....	0.79±0.02	11.0±0.2	12.1±0.3
Marlboro Lights 100's 100FHP.....	0.80±0.01	11.2±0.2	12.1±0.4
Doral Full Flavor KFHP.....	0.80±0.02	15.2±0.3	18.1±0.5
Ritz 100 100FMHP.....	0.80±0.02	11.5±0.2	11.7±0.2
Benson & Hedges Lights 100's 100FSP.....	0.81±0.02	10.5±0.2	12.8±0.3
Doral Full Flavor 100's 100FSP.....	0.81±0.02	14.2±0.2	16.6±0.3
Cambridge Lights KFMSP.....	0.81±0.03	11.9±0.3	12.5±0.3
Players KFMHP.....	0.81±0.01	11.9±0.2	12.2±0.2
Players KFHP.....	0.81±0.01	11.6±0.2	12.1±0.4
Salem Lights 100's 100FMHP.....	0.82±0.02	10.8±0.2	11.7±0.2
Marlboro Lights 100's 100FHP.....	0.82±0.01	10.9±0.2	12.9±0.4
Belair KFMSP.....	0.82±0.02	10.4±0.2	9.8±0.2
Players 25's Lights 100's 100FMSP.....	0.82±0.01	11.4±0.2	13.4±0.2
Newport Lights KFMSP.....	0.82±0.02	9.0±0.2	9.9±0.3
Pall Mall Light 100's 100FSP.....	0.83±0.02	10.4±0.2	12.0±0.4
Ritz 100 100FHP.....	0.83±0.02	11.7±0.2	13.0±0.2
Marlboro Lights 100's 100FSP.....	0.83±0.02	11.2±0.2	13.2±0.3
Century 25's Menthol Lights 100's.....	0.84±0.02	11.9±0.3	13.6±0.3
Newport Lights KFMHP.....	0.84±0.02	9.2±0.2	10.1±0.3
Cambridge Lights KFSP.....	0.84±0.02	12.2±0.2	12.5±0.3
Kent Golden Lights KFHP.....	0.84±0.02	9.6±0.3	10.5±0.4
Century 25's Lights 100's 100FSP.....	0.85±0.01	11.8±0.2	13.7±0.4
Players 25's Lights 100's 100FSP.....	0.85±0.01	11.8±0.2	13.8±0.3
Kent Golden Lights 100s 100FMSP.....	0.86±0.02	9.2±0.3	9.8±0.4
Cambridge Lights 100's 100FMSP.....	0.86±0.01	11.8±0.2	14.0±0.3
Kool Milds KFMHP.....	0.86±0.02	11.5±0.3	11.1±0.3
Raleigh Lights 100's 100FSP.....	0.86±0.02	11.2±0.3	13.3±0.4
Raleigh Lights KFSP.....	0.86±0.01	11.6±0.2	13.5±0.3
Viceroy Lights KFSP.....	0.86±0.02	11.5±0.3	13.4±0.4
Silva Thins Filters 100FHP.....	0.87±0.02	10.3±0.2	11.1±0.2
Old Gold Lights KFSP.....	0.87±0.02	9.7±0.2	11.2±0.3
Cambridge Lights 100's 100FSP.....	0.87±0.02	11.9±0.2	14.4±0.2
Newport Lights 100's 100FMSP.....	0.87±0.02	9.4±0.2	9.9±0.3
Benson & Hedges Multifilter KFSP.....	0.87±0.02	12.1±0.2	11.6±0.3
Kim 25's 100FHP.....	0.87±0.01	10.9±0.3	11.6±0.4
Kent KFHP.....	0.87±0.02	11.5±0.3	12.8±0.4
Lucky Strike KFSP.....	0.87±0.02	11.7±0.2	12.4±0.4
Falcon Lights 100's 100FSP.....	0.87±0.02	12.6±0.2	15.2±0.4
Lucky Strike KFHP.....	0.88±0.02	11.7±0.2	12.6±0.3
More Lights 120s 120FSP.....	0.89±0.02	12.0±0.3	19.1±0.4
Magna KFHP.....	0.89±0.02	14.1±0.4	15.9±0.5

Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Kent Golden Lights 100s 100FHP	0.91±0.02	9.9±0.3	10.6±0.5
Viceroy Lights 100's 100FSP	0.91±0.02	11.8±0.2	14.0±0.4
More Lights 120s 120FMSP	0.91±0.02	11.8±0.2	19.2±0.5
Doral Full Flavor KFSP	0.91±0.01	17.8±0.2	19.5±0.4
Kool Milds KFMSP	0.92±0.02	11.9±0.3	12.6±0.3
Richland Lights (25) 100's 100FSP	0.92±0.02	12.4±0.2	14.4±0.4
Kool Milds 100's 100FMSP	0.92±0.02	11.5±0.2	12.2±0.2
Lucky Strike Menthol 100's 100FMSP	0.92±0.02	11.6±0.3	12.3±0.3
Kent KFSP	0.93±0.03	12.3±0.4	13.4±0.4
Magna KFSP	0.93±0.02	14.2±0.3	14.9±0.3
Eli Cutter Lights KFSP	0.93±0.02	12.1±0.3	13.4±0.3
Kent Golden Lights 100s 100FSP	0.94±0.03	10.3±0.4	11.2±0.4
Malibu Menthol 100's 100FMSP	0.94±0.02	11.5±0.2	11.7±0.4
Silva Thins 100FSP	0.94±0.02	11.6±0.2	10.2±0.3
Century 25's (25) KFSP	0.95±0.02	14.8±0.3	17.0±0.4
Tareyton KFSP	0.95±0.02	13.8±0.3	15.3±0.3
Parliament Lights 100's 100FSP	0.95±0.02	12.4±0.2	13.1±0.4
Lucky Strike Filters 100's 100FSP	0.96±0.02	12.0±0.2	12.5±0.3
Malibu 100's 100FSP	0.96±0.04	12.0±0.5	12.9±0.5
Raleigh KFSP	0.96±0.02	15.0±0.4	14.5±0.3
Viceroy KFSP	0.96±0.02	15.1±0.3	14.7±0.3
Silva Thins Menthol 100FMHP	0.97±0.02	11.3±0.2	11.4±0.3
Newport Lights 100's 100FMHP	0.97±0.03	10.2±0.3	10.8±0.4
Tareyton 100's 100FSP	0.97±0.02	13.5±0.3	16.2±0.4
Salem KFMSP	0.97±0.02	15.7±0.3	18.4±0.4
Satin 100FSP	0.97±0.02	11.0±0.3	12.7±0.3
Players 100's 100FHP	0.98±0.01	14.0±0.2	12.8±0.3
Raleigh 100's 100FSP	0.99±0.02	15.3±0.3	16.2±0.3
Players 100's 100FMHP	1.00±0.02	14.4±0.3	13.0±0.4
Camel Filters KFSP	1.00±0.02	15.4±0.2	15.3±0.3
Satin 100FMSP	1.00±0.02	11.3±0.3	13.2±0.4
Kent 100s 100FMSP	1.00±0.03	13.6±0.3	14.4±0.3
Hi-Lite 100FHP	1.01±0.02	13.8±0.2	14.5±0.4
Lark Lights KFSP	1.01±0.02	13.1±0.2	12.8±0.4
Silva Thins Menthol 100FMSP	1.01±0.02	12.1±0.2	10.4±0.3
Rothmans Special Mild KFHP	1.01±0.02	13.8±0.2	15.6±0.3
Pall Mall Red KFSP	1.02±0.02	13.8±0.3	12.9±0.3
Virginia Slims Lights 120's 120FHP	1.02±0.03	14.3±0.3	14.7±0.5
Old Gold Lights 100s 100FSP	1.02±0.02	13.0±0.2	16.7±0.3
Eve Slim Lights 100's 100FMHP	1.03±0.02	12.8±0.3	10.9±0.3
Camel Filters KFHP	1.03±0.01	16.5±0.2	16.3±0.3
Winston KFHP	1.03±0.01	16.4±0.2	16.4±0.3
L & M KFSP	1.04±0.02	13.4±0.2	12.9±0.2
Eve Slim Lights 100's 100FHP	1.04±0.02	12.8±0.2	11.1±0.2
Kent 100s 100FSP	1.04±0.02	13.4±0.2	13.8±0.3
Saratoga 120's 120FHP	1.04±0.02	14.4±0.3	14.5±0.4
St. Moritz Menthol Filter 100MSP	1.04±0.02	15.1±0.2	15.5±0.3

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Pall Mall Red 100FSP	1.04±0.02	13.6±0.3	14.0±0.3
Lark KFSP	1.05±0.02	13.3±0.1	12.2±0.3
Virginia Slims Lights 120's 120FMHP	1.05±0.02	14.6±0.5	14.5±0.5
Saratoga 120's 120FMHP	1.06±0.02	14.9±0.3	14.9±0.3
Virginia Slims 100FSP	1.06±0.01	15.4±0.2	14.1±0.2
Pall Mall Light 100's Low Tar 100FMSP	1.06±0.02	13.3±0.2	12.9±0.3
Winston 100's 100FSP	1.07±0.02	17.2±0.3	17.5±0.3
Virginia Slims 100FMSP	1.07±0.02	15.4±0.3	13.5±0.4
Eve Lights 120's 120FHP	1.07±0.03	12.3±0.3	10.7±0.4
Camel Filters 100FSP	1.07±0.03	17.4±0.4	18.1±0.5
Marlboro 25's KFSP	1.07±0.02	16.9±0.4	15.6±0.4
Cambridge Full Flavor KFSP	1.08±0.02	17.0±0.3	16.1±0.3
L & M 30's Lights 100's 100FSP	1.08±0.02	12.8±0.2	10.7±0.3
Marlboro KFHP	1.08±0.02	16.3±0.3	14.9±0.4
Alpine KFMSP	1.08±0.02	17.0±0.4	15.7±0.4
L & M KFHP	1.09±0.02	13.9±0.3	13.3±0.3
Winston KFSP	1.09±0.02	16.8±0.3	15.9±0.2
Richland (25) KFMSP	1.09±0.02	16.4±0.3	16.1±0.3
Kool KFMHP	1.09±0.02	15.6±0.3	15.8±0.3
L & M Super 100 100FSP	1.09±0.03	13.8±0.2	13.9±0.3
Marlboro KFMSP	1.09±0.01	16.8±0.2	15.6±0.3
Lark Light 100's 100FSP	1.09±0.02	13.8±0.3	14.1±0.4
Eli Cutter KFSP	1.10±0.03	16.1±0.2	15.4±0.2
St. Moritz Filter 100's 100FSP	1.10±0.02	14.8±0.3	14.8±0.3
Century 25's 100's 100FSP	1.10±0.03	17.0±0.4	20.7±0.5
Pall Mall Unfiltered Lights KNFSP	1.10±0.04	16.2±0.9	12.0±1.0
Marlboro KFSP	1.11±0.02	16.8±0.2	15.8±0.3
Eve Lights 120's 120FMHP	1.11±0.03	12.5±0.4	10.8±0.4
Craven "A" RFHP	1.11±0.03	16.0±0.4	12.8±0.3
Salem 100's 100FMSP	1.13±0.02	16.6±0.2	17.9±0.4
Craven "A" KFHP	1.13±0.02	15.5±0.3	15.7±0.3
Benson & Hedges 100's 100FMHP	1.13±0.02	16.3±0.3	15.1±0.4
Philip Morris International 100FMHP	1.13±0.02	16.8±0.3	15.5±0.4
Viceroy Super Long 100's 100FSP	1.14±0.02	15.8±0.4	15.1±0.4
More 120's 120FSP	1.15±0.02	16.6±0.3	21.1±0.5
Cambridge Full Flavor 100's 100FSP	1.15±0.02	17.2±0.3	15.9±0.4
Philip Morris Blues 100FMSP	1.15±0.02	15.5±0.2	15.6±0.4
Benson & Hedges 100's 100FHP	1.16±0.02	16.8±0.2	16.1±0.4
Benson & Hedges 100's 100FMSP	1.16±0.02	16.4±0.2	16.1±0.4
Marlboro 100's 100FHP	1.16±0.02	16.6±0.3	16.5±0.5
Richland (25) KFSP	1.16±0.03	16.6±0.3	15.7±0.3
Marlboro 100's 100FSP	1.17±0.02	16.9±0.3	16.6±0.5
Philip Morris Blues KFMSP	1.18±0.02	16.9±0.3	16.0±0.3
Benson & Hedges KFHP	1.18±0.02	15.1±0.4	11.5±0.3
Marlboro 100 Red 100FSP	1.18±0.02	16.7±0.3	16.0±0.3
Richland (25) 100's 100FMSP	1.18±0.03	16.2±0.2	16.6±0.3
Kool KFMSP	1.18±0.03	16.9±0.4	16.5±0.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Marlboro 100 Red 100FHP	1.19±0.02	16.8±0.2	17.0±0.3
Benson & Hedges 100's 100FSP	1.19±0.02	17.0±0.3	17.2±0.4
Philip Morris International 100FHP	1.20±0.01	17.8±0.2	16.7±0.4
Lark 100FSP	1.20±0.03	14.8±0.3	14.5±0.4
Kool Super Longs 100's 100FMSP	1.23±0.03	16.2±0.2	16.3±0.3
Dunhill Menthol 100FMHP	1.23±0.02	14.5±0.2	17.1±0.3
Pall Mall 100's 100FSP	1.24±0.02	16.7±0.4	16.8±0.5
More 120s 120FMSP	1.25±0.03	16.9±0.5	21.3±0.7
Rothmans KFHP	1.27±0.03	18.6±0.3	20.4±0.3
Newport KFMHP	1.28±0.02	16.6±0.3	16.9±0.4
Newport (25) KFMSP	1.29±0.03	16.8±0.3	17.0±0.4
Chesterfield RNFSP	1.30±0.03	20.5±0.5	13.2±0.3
Richland (25) 100's 100FSP	1.31±0.02	17.7±0.3	17.2±0.4
Newport KFMSP	1.33±0.02	17.3±0.2	17.7±0.3
Old Gold Filters KFSP	1.34±0.03	17.5±0.4	18.2±0.4
Philip Morris RNFSP	1.34±0.02	22.7±0.4	13.3±0.3
Kool RNFMSF	1.34±0.05	21.5±0.8	14.3±0.4
Camel RNFSP	1.36±0.03	21.9±0.5	14.4±0.3
Dunhill International 100FHP	1.38±0.03	14.8±0.2	17.3±0.4
Raleigh KNFSP	1.38±0.03	24.0±0.4	17.0±0.4
Max 120s 120FSP	1.45±0.03	17.7±0.3	16.7±0.5
Lucky Strike RNFSP	1.50±0.02	24.3±0.4	17.0±0.4
Max 120s 120FMSP	1.51±0.02	18.2±0.4	16.8±0.5
Old Gold Filter 100's 100FSP	1.52±0.03	19.7±0.3	19.5±0.4
Newport 100's 100FMSP	1.53±0.03	19.4±0.3	18.9±0.4
Newport 100's 100FMHP	1.53±0.03	19.3±0.3	19.0±0.3
Pall Mall 25's KNFSP	1.54±0.03	23.6±0.5	16.2±0.4
Pall Mall KNFSP	1.54±0.02	23.7±0.4	16.1±0.3
Tall 120s 120FMSP	1.54±0.03	17.8±0.4	17.6±0.6
Newport 100's (25) 100FMSP	1.55±0.03	19.6±0.3	19.0±0.4
Spring 100's 100FMSP	1.56±0.02	19.4±0.2	18.5±0.3
Herbert Tareyton KNFSP	1.57±0.03	25.0±0.5	17.8±0.3
Tall 120s 120FSP	1.64±0.04	19.9±0.4	20.7±0.6
Philip Morris Commander KNFSP	1.65±0.03	27.2±0.5	16.3±0.4
Players RNFHP	1.66±0.04	25.2±0.5	16.0±0.3
Chesterfield KNFSP	1.69±0.04	24.7±0.5	15.7±0.3
English Ovals KNFHP	1.84±0.05	24.2±0.6	15.3±0.4
Old Gold Straights KNFSP	1.91±0.03	26.9±0.4	18.8±0.3

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Carlton KFHP	< 0.5	< 0.05	< 0.5
Now KFHP	< 0.5	< 0.05	< 0.5
Carlton KFMSF	0.6±0.1	0.09±0.01	1.3±0.1
Carlton 100's 100FMHP	0.7±0.1	0.10±0.01	0.9±0.1
Carlton 100's 100FHP	0.8±0.1	0.11±0.01	1.1±0.1
Now KFSP	1.0±0.1	0.13±0.01	2.0±0.1
Carlton KFSP	1.1±0.1	0.13±0.01	2.0±0.1
Now KFMSF	1.1±0.1	0.13±0.01	2.2±0.1
Now 100s 100FSP	2.1±0.1	0.23±0.01	3.4±0.2
Now 100s 100FMSP	2.7±0.1	0.27±0.01	4.5±0.2
Kool Ultra KFMSF	3.0±0.3	0.28±0.03	3.7±0.4
Carlton 100's 100FSP	3.3±0.1	0.33±0.01	4.4±0.2
Triumph KFMSF	3.5±0.2	0.37±0.02	4.3±0.3
Triumph KFSP	3.6±0.1	0.37±0.02	4.3±0.2
Kent III KFSP	3.7±0.2	0.39±0.02	4.4±0.3
Carlton 100's 100FMSP	4.4±0.2	0.42±0.01	6.3±0.3
Merit Ultra Lights KFMSF	4.7±0.1	0.41±0.01	5.8±0.2
True KFMSF	4.7±0.3	0.46±0.03	5.8±0.3
Salem Ultra Lights 100's 100FMSP	4.7±0.1	0.43±0.02	7.4±0.2
True KFSP	4.8±0.2	0.47±0.02	5.8±0.2
Kent III 100s 100FHP	4.9±0.2	0.48±0.02	6.3±0.3
Triumph 100s 100FSP	5.1±0.2	0.50±0.01	6.7±0.2
Winston Ultra Lights KFSP	5.1±0.1	0.43±0.01	7.8±0.2
Winston Ultra Lights 100's 100FSP	5.1±0.1	0.45±0.01	8.6±0.2
Salem Ultra Lights KFMSF	5.1±0.1	0.42±0.01	7.7±0.2
Tareyton Lights KFSP	5.1±0.2	0.42±0.02	5.7±0.3
Merit Ultra Lights KFSP	5.2±0.2	0.46±0.02	6.7±0.3
Vantage Ultra Lights KFSP	5.3±0.2	0.44±0.01	7.7±0.4
Kent III 100s 100FSP	5.3±0.3	0.52±0.02	7.1±0.4
Merit Ultra Lights 100's 100FMSP	5.4±0.1	0.49±0.01	7.4±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP	5.4±0.2	0.49±0.02	6.2±0.4
Kool Ultra 100's 100FMSP	5.5±0.1	0.49±0.01	6.1±0.3
Vantage Ultra Lights 100s 100FSP	5.6±0.1	0.47±0.02	9.2±0.3
Merit Ultra Lights 100's 100FSP	5.6±0.1	0.50±0.01	7.5±0.2
Triumph 100s 100FMSP	5.7±0.2	0.55±0.02	7.5±0.4
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	5.8±0.3	0.49±0.02	7.1±0.4
Virginia Slims Ultra Lights 100FHP	5.9±0.1	0.49±0.01	6.8±0.2
Carlton 120's 120FSP	5.9±0.2	0.57±0.01	5.0±0.2
Carlton 120's 120FMSP	6.1±0.2	0.60±0.02	5.1±0.2
Virginia Slims Ultra Lights 100FMHP	6.3±0.1	0.52±0.01	7.3±0.2
Bright 100s 100FMSP	6.7±0.1	0.49±0.02	10.7±0.2
Doral Ultra Lights 100's 100FSP	6.8±0.2	0.46±0.02	11.7±0.4
True 100's 100FSP	7.1±0.3	0.67±0.03	7.4±0.4
True 100's 100FMSP	7.2±0.4	0.68±0.03	7.5±0.4
L & M Long Lights 100FSP	7.6±0.2	0.79±0.02	6.2±0.2
Merit KFMSF	7.8±0.2	0.59±0.01	9.7±0.2
Kent Golden Lights KFMSF	8.0±0.2	0.73±0.02	8.8±0.4

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**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Lucky Strike Lights KFSP	8.1±0.2	0.65±0.01	9.9±0.3
Merit KFHP	8.2±0.2	0.63±0.01	10.1±0.3
Merit KFSP	8.2±0.2	0.62±0.01	10.0±0.3
Vantage Menthol 100s 100FMSP	8.4±0.1	0.61±0.02	12.5±0.3
Kool Lights KFMSP	8.5±0.3	0.70±0.02	9.2±0.3
Falcon Lights 100's 100FMSP	8.5±0.2	0.68±0.02	10.5±0.3
Virginia Slims Lights 100FMHP	8.6±0.2	0.68±0.02	9.2±0.2
Belair 100's 100FMSP	8.6±0.3	0.66±0.02	9.2±0.4
Tareyton Long Lights 100FSP	8.6±0.2	0.71±0.02	9.2±0.3
Kool Lights 100's 100FMSP	8.7±0.5	0.73±0.03	9.8±0.5
Kent Golden Lights KFSP	8.7±0.3	0.79±0.02	9.4±0.5
Malibu Light's 100's 100FSP	8.7±0.2	0.75±0.02	10.0±0.3
Capri 100FMHP	8.8±0.2	0.71±0.01	5.9±0.2
Capri 100FHP	8.8±0.2	0.76±0.02	6.2±0.2
Vantage 100s 100FSP	8.8±0.1	0.62±0.01	12.3±0.2
Virginia Slims Lights 100FHP	8.8±0.2	0.68±0.02	9.5±0.3
More Lights 100s 100FMHP	8.9±0.2	0.66±0.01	9.8±0.4
Camel Lights KFSP	8.9±0.2	0.61±0.01	12.5±0.3
Magna Lites KFSP	9.0±0.1	0.62±0.01	13.2±0.2
Newport Lights KFMSP	9.0±0.2	0.82±0.02	9.9±0.3
Salem Slim Lights 100's 100FMHP	9.1±0.2	0.72±0.02	9.8±0.2
Parliament Lights KFHP	9.1±0.2	0.68±0.01	9.7±0.2
Lucky Strike Lights 100's 100FSP	9.2±0.2	0.75±0.02	10.3±0.3
Newport Lights KFMHP	9.2±0.2	0.84±0.02	10.1±0.3
Kent Golden Lights 100s 100FMSP	9.2±0.3	0.86±0.02	9.8±0.4
Salem Lights 100's 100FMSP	9.3±0.2	0.73±0.02	11.4±0.3
Dunhill International Superior Mild 100FHP	9.3±0.2	0.79±0.01	10.8±0.3
Kim 25's 100FMHP	9.3±0.2	0.78±0.02	9.9±0.2
Parliament Lights KFSP	9.3±0.3	0.70±0.02	10.4±0.4
Newport Lights 100's 100FMSP	9.4±0.2	0.87±0.02	9.9±0.3
More Lights 100s 100FHP	9.5±0.3	0.74±0.02	9.8±0.3
Winston Lights 100's 100FHP	9.6±0.2	0.67±0.01	11.1±0.3
Kent Golden Lights KFHP	9.6±0.3	0.84±0.02	10.5±0.4
Camel Lights KFHP	9.6±0.2	0.61±0.01	11.7±0.2
Old Gold Lights KFSP	9.7±0.2	0.87±0.02	11.2±0.3
Salem Lights KFMSP	9.7±0.3	0.70±0.02	12.5±0.3
Century 25's Lights (25) KFSP	9.7±0.2	0.68±0.01	11.9±0.2
Merit 100's 100FSP	9.9±0.2	0.78±0.02	11.8±0.3
Kent Golden Lights 100s 100FHP	9.9±0.3	0.91±0.02	10.6±0.5
Merit 100's 100FMSP	10.0±0.2	0.76±0.02	11.6±0.2
Winston Lights KFHP	10.0±0.2	0.63±0.01	11.9±0.3
Marlboro Lights 100's 100FMSP	10.0±0.2	0.78±0.02	11.7±0.2
Players Lights 25's KFMSP	10.1±0.3	0.72±0.02	11.0±0.3
Players Lights 25's KFSP	10.2±0.2	0.72±0.01	11.2±0.3
Newport Lights 100's 100FMHP	10.2±0.3	0.97±0.03	10.8±0.4
Vantage KFMSP	10.3±0.3	0.69±0.02	12.8±0.4
Silva Thins Filters 100FHP	10.3±0.2	0.87±0.02	11.1±0.2

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kent Golden Lights 100s 100FSP	10.3±0.4	0.94±0.03	11.2±0.4
Belair KFMS	10.4±0.2	0.82±0.02	9.8±0.2
Pall Mall Light 100's 100FSP	10.4±0.2	0.83±0.02	12.0±0.4
Benson & Hedges Lights 100's 100FSP	10.5±0.2	0.81±0.02	12.8±0.3
Falcon Lights KFMS	10.5±0.3	0.78±0.02	12.1±0.4
Vantage KFSP	10.6±0.3	0.72±0.02	13.6±0.4
Benson & Hedges Lights 100's 100FMSP	10.6±0.2	0.78±0.02	12.2±0.3
Marlboro Lights KFHP	10.7±0.2	0.77±0.01	11.9±0.2
Richland Lights (25) KFSP	10.8±0.2	0.79±0.02	12.5±0.2
Salem Lights 100's 100FMHP	10.8±0.2	0.82±0.02	11.7±0.2
Winston Lights KFSP	10.9±0.2	0.75±0.01	13.5±0.4
Marlboro Lights 100's 100FHP	10.9±0.2	0.82±0.01	12.9±0.4
Kim 25's 100FHP	10.9±0.3	0.87±0.01	11.6±0.4
Marlboro Lights KFMS	11.0±0.2	0.79±0.02	12.1±0.3
Satin 100FSP	11.0±0.3	0.97±0.02	12.7±0.3
Falcon Lights KFSP	11.1±0.2	0.77±0.02	10.9±0.2
Raleigh Lights 100's 100FSP	11.2±0.3	0.86±0.02	13.3±0.4
Marlboro Lights KFSP	11.2±0.2	0.80±0.01	12.1±0.4
Marlboro Lights 100's 100FSP	11.2±0.2	0.83±0.02	13.2±0.3
Camel Lights 100's 100FSP	11.2±0.3	0.78±0.01	14.5±0.3
Winston Lights 100's 100FSP	11.2±0.2	0.79±0.01	13.0±0.3
Marlboro Lights 25's KFSP	11.3±0.2	0.79±0.02	12.2±0.3
Silva Thins Menthol 100FMHP	11.3±0.2	0.97±0.02	11.4±0.3
Satin 100FMSP	11.3±0.3	1.00±0.02	13.2±0.4
Players 25's Lights 100's 100FMSP	11.4±0.2	0.82±0.01	13.4±0.2
Ritz 100 100FMHP	11.5±0.2	0.80±0.02	11.7±0.2
Kool Milds KFMS	11.5±0.3	0.86±0.02	11.1±0.3
Viceroy Lights KFSP	11.5±0.3	0.86±0.02	13.4±0.4
Malibu Menthol 100's 100FMSP	11.5±0.2	0.94±0.02	11.7±0.4
Kent KFHP	11.5±0.3	0.87±0.02	12.8±0.4
Kool Milds 100's 100FMSP	11.5±0.2	0.92±0.02	12.2±0.2
Raleigh Lights KFSP	11.6±0.2	0.86±0.01	13.5±0.3
Silva Thins 100FSP	11.6±0.2	0.94±0.02	10.2±0.3
Players KFHP	11.6±0.2	0.81±0.01	12.1±0.4
Lucky Strike Menthol 100's 100FMSP	11.6±0.3	0.92±0.02	12.3±0.3
Lucky Strike KFSP	11.7±0.2	0.87±0.02	12.4±0.4
Doral Menthol Filter Lights KFMS	11.7±0.2	0.62±0.02	14.1±0.3
Lucky Strike KFHP	11.7±0.2	0.88±0.02	12.6±0.3
Ritz 100 100FHP	11.7±0.2	0.83±0.02	13.0±0.2
Players 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.8±0.3
Cambridge Lights 100's 100FMSP	11.8±0.2	0.86±0.01	14.0±0.3
Viceroy Lights 100's 100FSP	11.8±0.2	0.91±0.02	14.0±0.4
More Lights 120s 120FMSP	11.8±0.2	0.91±0.02	19.2±0.5
Century 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.7±0.4
Players KFMS	11.9±0.2	0.81±0.01	12.2±0.2
Cambridge Lights 100's 100FSP	11.9±0.2	0.87±0.02	14.4±0.2
Cambridge Lights KFMS	11.9±0.3	0.81±0.03	12.5±0.3

Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Century 25's Menthol Lights 100's.....	11.9±0.3	0.84±0.02	13.6±0.3
Kool Milds KFMSF	11.9±0.3	0.92±0.02	12.6±0.3
Lucky Strike Filters 100's 100FSP	12.0±0.2	0.96±0.02	12.5±0.3
More Lights 120s 120FSP	12.0±0.3	0.89±0.02	19.1±0.4
Doral 100's Filter Lights 100FSP	12.0±0.2	0.72±0.02	13.7±0.3
Malibu 100's 100FSP.....	12.0±0.5	0.96±0.04	12.9±0.5
Doral Menthol Lights 100's 100FMSP	12.1±0.2	0.72±0.02	13.7±0.3
Silva Thins Menthol 100FMSP.....	12.1±0.2	1.01±0.02	10.4±0.3
Benson & Hedges Multifilter KFSP.....	12.1±0.2	0.87±0.02	11.6±0.3
Eli Cutter Lights KFSP	12.1±0.3	0.93±0.02	13.4±0.3
Cambridge Lights KFSP	12.2±0.2	0.84±0.02	12.5±0.3
Eve Lights 120's 120FHP	12.3±0.3	1.07±0.03	10.7±0.4
Doral Filter Lights KFSP.....	12.3±0.3	0.66±0.02	15.0±0.4
Kent KFSP	12.3±0.4	0.93±0.03	13.4±0.4
Richland Lights (25) 100's 100FSP	12.4±0.2	0.92±0.02	14.4±0.4
Parliament Lights 100's 100FSP	12.4±0.2	0.95±0.02	13.1±0.4
Eve Lights 120's 120FMHP	12.5±0.4	1.11±0.03	10.8±0.4
Falcon Lights 100's 100FSP	12.6±0.2	0.87±0.02	15.2±0.4
L & M 30's Lights 100's 100FSP	12.8±0.2	1.08±0.02	10.7±0.3
Eve Slim Lights 100's 100FHP	12.8±0.2	1.04±0.02	11.1±0.2
Eve Slim Lights 100's 100FMHP	12.8±0.3	1.03±0.02	10.9±0.3
Old Gold Lights 100s 100FSP.....	13.0±0.2	1.02±0.02	16.7±0.3
Lark Lights KFSP.....	13.1±0.2	1.01±0.02	12.8±0.4
Lark KFSP	13.3±0.1	1.05±0.02	12.2±0.3
Pall Mall Light 100's Low Tar 100FMSP.....	13.3±0.2	1.06±0.02	12.9±0.3
L & M KFSP.....	13.4±0.2	1.04±0.02	12.9±0.2
Kent 100s 100FSP.....	13.4±0.2	1.04±0.02	13.8±0.3
Tareyton 100's 100FSP	13.5±0.3	0.97±0.02	16.2±0.4
Pall Mall Red 100FSP	13.6±0.3	1.04±0.02	14.0±0.3
Kent 100s 100FMSP.....	13.6±0.3	1.00±0.03	14.4±0.3
Hi-Lite 100FHP.....	13.8±0.2	1.01±0.02	14.5±0.4
Pall Mall Red KFSP	13.8±0.3	1.02±0.02	12.9±0.3
L & M Super 100 100FSP	13.8±0.2	1.09±0.03	13.9±0.3
Lark Light 100's 100FSP	13.8±0.3	1.09±0.02	14.1±0.4
Rothmans Special Mild KFHP.....	13.8±0.2	1.01±0.02	15.6±0.3
Tareyton KFSP.....	13.8±0.3	0.95±0.02	15.3±0.3
L & M KFHP	13.9±0.3	1.09±0.02	13.3±0.3
Players 100's 100FHP	14.0±0.2	0.98±0.01	12.8±0.3
Magna KFHP	14.1±0.4	0.89±0.02	15.9±0.5
Magna KFSP.....	14.2±0.3	0.93±0.02	14.9±0.3
Doral Full Flavor 100's 100FSP.....	14.2±0.2	0.81±0.02	16.6±0.3
Virginia Slims Lights 120's 120FHP	14.3±0.3	1.02±0.03	14.7±0.5
Saratoga 120's 120FHP	14.4±0.3	1.04±0.02	14.5±0.4
Players 100's 100FMHP	14.4±0.3	1.00±0.02	13.0±0.4
Dunhill Menthol 100FMHP	14.5±0.2	1.23±0.02	17.1±0.3
Virginia Slims Lights 120's 120FMHP	14.6±0.5	1.05±0.02	14.5±0.5
Dunhill International 100FHP.....	14.8±0.2	1.38±0.03	17.3±0.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Century 25's (25) KFSP	14.8±0.3	0.95±0.02	17.0±0.4
St. Moritz Filter 100s 100FSP	14.8±0.3	1.10±0.02	14.8±0.3
Lark 100FSP	14.8±0.3	1.20±0.03	14.5±0.4
Saratoga 120's 120FMHP	14.9±0.3	1.06±0.02	14.9±0.3
Raleigh KFSP	15.0±0.4	0.96±0.02	14.5±0.3
Benson & Hedges KFHP	15.1±0.4	1.18±0.02	11.5±0.3
St. Moritz Menthol Filter 100MSP	15.1±0.2	1.04±0.02	15.5±0.3
Viceroy KFSP	15.1±0.3	0.96±0.02	14.7±0.3
Doral Full Flavor KFHP	15.2±0.3	0.80±0.02	18.1±0.5
Raleigh 100's 100FSP	15.3±0.3	0.99±0.02	16.2±0.3
Virginia Slims 100FSP	15.4±0.2	1.06±0.01	14.1±0.2
Virginia Slims 100FMSP	15.4±0.3	1.07±0.02	13.5±0.4
Camel Filters KFSP	15.4±0.2	1.00±0.02	15.3±0.3
Philip Morris Blues 100FMSP	15.5±0.2	1.15±0.02	15.6±0.4
Craven "A" KFHP	15.5±0.3	1.13±0.02	15.7±0.3
Kool KFMHP	15.6±0.3	1.09±0.02	15.8±0.3
Salem KFMSP	15.7±0.3	0.97±0.02	18.4±0.4
Viceroy Super Long 100's 100FSP	15.8±0.4	1.14±0.02	15.1±0.4
Craven "A" RFHP	16.0±0.4	1.11±0.03	12.8±0.3
Eli Cutter KFSP	16.1±0.2	1.10±0.03	15.4±0.2
Fiesta KFSP	16.1±0.2	0.71±0.01	18.4±0.3
Kool Super Longs 100's 100FMSP	16.2±0.2	1.23±0.03	16.3±0.3
Richland (25) 100's 100FMSP	16.2±0.2	1.18±0.03	16.6±0.3
Pall Mall Unfiltered Lights KNFSP	16.2±0.9	1.10±0.04	12.0±1.0
Benson & Hedges 100's 100FMHP	16.3±0.3	1.13±0.02	15.1±0.4
Marlboro KFHP	16.3±0.3	1.08±0.02	14.9±0.4
Benson & Hedges 100's 100FMSP	16.4±0.2	1.16±0.02	16.1±0.4
Richland (25) KFMSP	16.4±0.3	1.09±0.02	16.1±0.3
Winston KFHP	16.4±0.2	1.03±0.01	16.4±0.3
Camel Filters KFHP	16.5±0.2	1.03±0.01	16.3±0.3
Richland (25) KFSP	16.6±0.3	1.16±0.03	15.7±0.3
Newport KFMHP	16.6±0.3	1.28±0.02	16.9±0.4
Salem 100's 100FMSP	16.6±0.2	1.13±0.02	17.9±0.4
Marlboro 100's 100FHP	16.6±0.3	1.16±0.02	16.5±0.5
More 120s 120FSP	16.6±0.3	1.15±0.02	21.1±0.5
Marlboro 100 Red 100FSP	16.7±0.3	1.18±0.02	16.0±0.3
Pall Mall 100's 100FSP	16.7±0.4	1.24±0.02	16.8±0.5
Philip Morris International 100FMHP	16.8±0.3	1.13±0.02	15.5±0.4
Winston KFSP	16.8±0.3	1.09±0.02	15.9±0.2
Marlboro KFSP	16.8±0.2	1.11±0.02	15.8±0.3
Marlboro 100 Red 100FHP	16.8±0.2	1.19±0.02	17.0±0.3
Marlboro KFMSP	16.8±0.2	1.09±0.01	15.6±0.3
Newport (25) KFMSP	16.8±0.3	1.29±0.03	17.0±0.4
Benson & Hedges 100's 100FHP	16.8±0.2	1.16±0.02	16.1±0.4
Marlboro 100's 100FSP	16.9±0.3	1.17±0.02	16.6±0.5
More 120s 120FMSP	16.9±0.5	1.25±0.03	21.3±0.7
Marlboro 25's KFSP	16.9±0.4	1.07±0.02	15.6±0.4

Tobacco Institute Testing Laboratory
Market Sample 30
Sorted "Tar" Test Results

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Philip Morris Blues KFMSP	16.9±0.3	1.18±0.02	16.0±0.3
Kool KFMSP	16.9±0.4	1.18±0.03	16.5±0.4
Alpine KFMSP	17.0±0.4	1.08±0.02	15.7±0.4
Benson & Hedges 100's 100FSP	17.0±0.3	1.19±0.02	17.2±0.4
Cambridge Full Flavor KFSP	17.0±0.3	1.08±0.02	16.1±0.3
Century 25's 100's 100FSP	17.0±0.4	1.10±0.03	20.7±0.5
Cambridge Full Flavor 100's 100FSP	17.2±0.3	1.15±0.02	15.9±0.4
Winston 100's 100FSP	17.2±0.3	1.07±0.02	17.5±0.3
Newport KFMSP	17.3±0.2	1.33±0.02	17.7±0.3
Camel Filters 100FSP	17.4±0.4	1.07±0.03	18.1±0.5
Old Gold Filters KFSP	17.5±0.4	1.34±0.03	18.2±0.4
Richland (25) 100's 100FSP	17.7±0.3	1.31±0.02	17.2±0.4
Max 120s 120FSP	17.7±0.3	1.45±0.03	16.7±0.5
Philip Morris International 100FHP	17.8±0.2	1.20±0.01	16.7±0.4
Tall 120s 120FMSP	17.8±0.4	1.54±0.03	17.6±0.6
Doral Full Flavor KFSP	17.8±0.2	0.91±0.01	19.5±0.4
Max 120s 120FMSP	18.2±0.4	1.51±0.02	16.8±0.5
Rothmans KFHP	18.6±0.3	1.27±0.03	20.4±0.3
Newport 100's 100FMHP	19.3±0.3	1.53±0.03	19.0±0.3
Spring 100's 100FMSP	19.4±0.2	1.56±0.02	18.5±0.3
Newport 100's 100FMSP	19.4±0.3	1.53±0.03	18.9±0.4
Newport 100's (25) 100FMSP	19.6±0.3	1.55±0.03	19.0±0.4
Old Gold Filter 100's 100FSP	19.7±0.3	1.52±0.03	19.5±0.4
Tall 120s 120FSP	19.9±0.4	1.64±0.04	20.7±0.6
Chesterfield RNFSP	20.5±0.5	1.30±0.03	13.2±0.3
Kool RNFMSF	21.5±0.8	1.34±0.05	14.3±0.4
Camel RNFSP	21.9±0.5	1.36±0.03	14.4±0.3
Philip Morris RNFSP	22.7±0.4	1.34±0.02	13.3±0.3
Pall Mall 25's KNFSP	23.6±0.5	1.54±0.03	16.2±0.4
Pall Mall KNFSP	23.7±0.4	1.54±0.02	16.1±0.3
Raleigh KNFSP	24.0±0.4	1.38±0.03	17.0±0.4
English Ovals KNFHP	24.2±0.6	1.84±0.05	15.3±0.4
Lucky Strike RNFSP	24.3±0.4	1.50±0.02	17.0±0.4
Chesterfield KNFSP	24.7±0.5	1.69±0.04	15.7±0.3
Herbert Tareyton KNFSP	25.0±0.5	1.57±0.03	17.8±0.3
Players RNFHP	25.2±0.5	1.66±0.04	16.0±0.3
Old Gold Straights KNFSP	26.9±0.4	1.91±0.03	18.8±0.3
Philip Morris Commander KNFSP	27.2±0.5	1.65±0.03	16.3±0.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig ^m
Carlton KFHP	< 0.5	< 0.5	< 0.05
Now KFHP	< 0.5	< 0.5	< 0.05
Carlton 100's 100FMHP	0.9±0.1	0.7±0.1	0.10±0.01
Carlton 100's 100FHP	1.1±0.1	0.8±0.1	0.11±0.01
Carlton KFMSP	1.3±0.1	0.6±0.1	0.09±0.01
Carlton KFSP	2.0±0.1	1.1±0.1	0.13±0.01
Now KFSP	2.0±0.1	1.0±0.1	0.13±0.01
Now KFMSP	2.2±0.1	1.1±0.1	0.13±0.01
Now 100s 100FSP	3.4±0.2	2.1±0.1	0.23±0.01
Kool Ultra KFMSP	3.7±0.4	3.0±0.3	0.28±0.03
Triumph KFSP	4.3±0.2	3.6±0.1	0.37±0.02
Triumph KFMSP	4.3±0.3	3.5±0.2	0.37±0.02
Carlton 100's 100FSP	4.4±0.2	3.3±0.1	0.33±0.01
Kent III KFSP	4.4±0.3	3.7±0.2	0.39±0.02
Now 100s 100FMSP	4.5±0.2	2.7±0.1	0.27±0.01
Carlton 120's 120FSP	5.0±0.2	5.9±0.2	0.57±0.01
Carlton 120's 120FMSP	5.1±0.2	6.1±0.2	0.60±0.02
Tareyton Lights KFSP	5.7±0.3	5.1±0.2	0.42±0.02
Merit Ultra Lights KFMSP	5.8±0.2	4.7±0.1	0.41±0.01
True KFMSP	5.8±0.3	4.7±0.3	0.46±0.03
True KFSP	5.8±0.2	4.8±0.2	0.47±0.02
Capri 100FMHP	5.9±0.2	8.8±0.2	0.71±0.01
Kool Ultra 100's 100FMSP	6.1±0.3	5.5±0.1	0.49±0.01
Capri 100FHP	6.2±0.2	8.8±0.2	0.76±0.02
L & M Long Lights 100FSP	6.2±0.2	7.6±0.2	0.79±0.02
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP	6.2±0.4	5.4±0.2	0.49±0.02
Carlton 100's 100FMSP	6.3±0.3	4.4±0.2	0.42±0.01
Kent III 100s 100FHP	6.3±0.3	4.9±0.2	0.48±0.02
Triumph 100s 100FSP	6.7±0.2	5.1±0.2	0.50±0.01
Merit Ultra Lights KFSP	6.7±0.3	5.2±0.2	0.46±0.02
Virginia Slims Ultra Lights 100FHP	6.8±0.2	5.9±0.1	0.49±0.01
Kent III 100s 100FSP	7.1±0.4	5.3±0.3	0.52±0.02
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	7.1±0.4	5.8±0.3	0.49±0.02
Virginia Slims Ultra Lights 100FMHP	7.3±0.2	6.3±0.1	0.52±0.01
Merit Ultra Lights 100's 100FMSP	7.4±0.2	5.4±0.1	0.49±0.01
True 100's 100FSP	7.4±0.4	7.1±0.3	0.67±0.03
Salem Ultra Lights 100's 100FMSP	7.4±0.2	4.7±0.1	0.43±0.02
Merit Ultra Lights 100's 100FSP	7.5±0.2	5.6±0.1	0.50±0.01
True 100's 100FMSP	7.5±0.4	7.2±0.4	0.68±0.03
Triumph 100s 100FMSP	7.5±0.4	5.7±0.2	0.55±0.02
Vantage Ultra Lights KFSP	7.7±0.4	5.3±0.2	0.44±0.01
Salem Ultra Lights KFMSP	7.7±0.2	5.1±0.1	0.42±0.01
Winston Ultra Lights KFSP	7.8±0.2	5.1±0.1	0.43±0.01
Winston Ultra Lights 100's 100FSP	8.6±0.2	5.1±0.1	0.45±0.01
Kent Golden Lights KFMSP	8.8±0.4	8.0±0.2	0.73±0.02
Virginia Slims Lights 100FMHP	9.2±0.2	8.6±0.2	0.68±0.02
Kool Lights KFMSP	9.2±0.3	8.5±0.3	0.70±0.02

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**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig [≡]
Tareyton Long Lights 100FSP	9.2±0.3	8.6±0.2	0.71±0.02
Belair 100's 100FMSP	9.2±0.4	8.6±0.3	0.66±0.02
Vantage Ultra Lights 100s 100FSP	9.2±0.3	5.6±0.1	0.47±0.02
Kent Golden Lights KFSP	9.4±0.5	8.7±0.3	0.79±0.02
Virginia Slims Lights 100FHP	9.5±0.3	8.8±0.2	0.68±0.02
Parliament Lights KFHP	9.7±0.2	9.1±0.2	0.68±0.01
Merit KFMSP	9.7±0.2	7.8±0.2	0.59±0.01
Kent Golden Lights 100s 100FMSP	9.8±0.4	9.2±0.3	0.86±0.02
More Lights 100s 100FHP	9.8±0.3	9.5±0.3	0.74±0.02
More Lights 100s 100FMHP	9.8±0.4	8.9±0.2	0.66±0.01
Kool Lights 100's 100FMSP	9.8±0.5	8.7±0.5	0.73±0.03
Belair KFMSP	9.8±0.2	10.4±0.2	0.82±0.02
Salem Slim Lights 100's 100FMHP	9.8±0.2	9.1±0.2	0.72±0.02
Lucky Strike Lights KFSP	9.9±0.3	8.1±0.2	0.65±0.01
Newport Lights 100's 100FMSP	9.9±0.3	9.4±0.2	0.87±0.02
Newport Lights KFMSP	9.9±0.3	9.0±0.2	0.82±0.02
Kim 25's 100FMHP	9.9±0.2	9.3±0.2	0.78±0.02
Malibu Light's 100's 100FSP	10.0±0.3	8.7±0.2	0.75±0.02
Merit KFSP	10.0±0.3	8.2±0.2	0.62±0.01
Merit KFHP	10.1±0.3	8.2±0.2	0.63±0.01
Newport Lights KFMHP	10.1±0.3	9.2±0.2	0.84±0.02
Silva Thins 100FSP	10.2±0.3	11.6±0.2	0.94±0.02
Lucky Strike Lights 100's 100FSP	10.3±0.3	9.2±0.2	0.75±0.02
Parliament Lights KFSP	10.4±0.4	9.3±0.3	0.70±0.02
Silva Thins Menthol 100FMSP	10.4±0.3	12.1±0.2	1.01±0.02
Kent Golden Lights KFHP	10.5±0.4	9.6±0.3	0.84±0.02
Falcon Lights 100's 100FMSP	10.5±0.3	8.5±0.2	0.68±0.02
Kent Golden Lights 100s 100FHP	10.6±0.5	9.9±0.3	0.91±0.02
L & M 30's Lights 100's 100FSP	10.7±0.3	12.8±0.2	1.08±0.02
Bright 100s 100FMSP	10.7±0.2	6.7±0.1	0.49±0.02
Eve Lights 120's 120FHP	10.7±0.4	12.3±0.3	1.07±0.03
Eve Lights 120's 120FMHP	10.8±0.4	12.5±0.4	1.11±0.03
Newport Lights 100's 100FMHP	10.8±0.4	10.2±0.3	0.97±0.03
Dunhill International Superior Mild 100FHP	10.8±0.3	9.3±0.2	0.79±0.01
Eve Slim Lights 100's 100FMHP	10.9±0.3	12.8±0.3	1.03±0.02
Falcon Lights KFSP	10.9±0.2	11.1±0.2	0.77±0.02
Players Lights 25's KFMSP	11.0±0.3	10.1±0.3	0.72±0.02
Kool Milds KFMHP	11.1±0.3	11.5±0.3	0.86±0.02
Silva Thins Filters 100FHP	11.1±0.2	10.3±0.2	0.87±0.02
Eve Slim Lights 100's 100FHP	11.1±0.2	12.8±0.2	1.04±0.02
Winston Lights 100's 100FHP	11.1±0.3	9.6±0.2	0.67±0.01
Kent Golden Lights 100s 100FSP	11.2±0.4	10.3±0.4	0.94±0.03
Old Gold Lights KFSP	11.2±0.3	9.7±0.2	0.87±0.02
Players Lights 25's KFSP	11.2±0.3	10.2±0.2	0.72±0.01
Silva Thins Menthol 100FMHP	11.4±0.3	11.3±0.2	0.97±0.02
Salem Lights 100's 100FMSP	11.4±0.3	9.3±0.2	0.73±0.02
Benson & Hedges KFHP	11.5±0.3	15.1±0.4	1.18±0.02

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Kim 25's 100FHP	11.6±0.4	10.9±0.3	0.87±0.01
Merit 100's 100FMSP	11.6±0.2	10.0±0.2	0.76±0.02
Benson & Hedges Multifilter KFSP	11.6±0.3	12.1±0.2	0.87±0.02
Salem Lights 100's 100FMHP	11.7±0.2	10.8±0.2	0.82±0.02
Camel Lights KFHP	11.7±0.2	9.6±0.2	0.61±0.01
Doral Ultra Lights 100's 100FSP	11.7±0.4	6.8±0.2	0.46±0.02
Marlboro Lights 100's 100FMSP	11.7±0.2	10.0±0.2	0.78±0.02
Ritz 100 100FMHP	11.7±0.2	11.5±0.2	0.80±0.02
Malibu Menthol 100's 100FMSP	11.7±0.4	11.5±0.2	0.94±0.02
Merit 100's 100FSP	11.8±0.3	9.9±0.2	0.78±0.02
Marlboro Lights KFHP	11.9±0.2	10.7±0.2	0.77±0.01
Winston Lights KFHP	11.9±0.3	10.0±0.2	0.63±0.01
Century 25's Lights (25) KFSP	11.9±0.2	9.7±0.2	0.68±0.01
Pall Mall Light 100's 100FSP	12.0±0.4	10.4±0.2	0.83±0.02
Pall Mall Unfiltered Lights KNFSP	12.0±1.0	16.2±0.9	1.10±0.04
Players KFHP	12.1±0.4	11.6±0.2	0.81±0.01
Marlboro Lights KFMSP	12.1±0.3	11.0±0.2	0.79±0.02
Marlboro Lights KFSP	12.1±0.4	11.2±0.2	0.80±0.01
Falcon Lights KFMSP	12.1±0.4	10.5±0.3	0.78±0.02
Marlboro Lights 25's KFSP	12.2±0.3	11.3±0.2	0.79±0.02
Kool Milds 100's 100FMSP	12.2±0.2	11.5±0.2	0.92±0.02
Benson & Hedges Lights 100's 100FMSP	12.2±0.3	10.6±0.2	0.78±0.02
Players KFMHP	12.2±0.2	11.9±0.2	0.81±0.01
Lark KFSP	12.2±0.3	13.3±0.1	1.05±0.02
Vantage 100s 100FSP	12.3±0.2	8.8±0.1	0.62±0.01
Lucky Strike Menthol 100's 100FMSP	12.3±0.3	11.6±0.3	0.92±0.02
Lucky Strike KFSP	12.4±0.4	11.7±0.2	0.87±0.02
Camel Lights KFSP	12.5±0.3	8.9±0.2	0.61±0.01
Salem Lights KFMSP	12.5±0.3	9.7±0.3	0.70±0.02
Lucky Strike Filters 100's 100FSP	12.5±0.3	12.0±0.2	0.96±0.02
Vantage Menthol 100s 100FMSP	12.5±0.3	8.4±0.1	0.61±0.02
Cambridge Lights KFMSP	12.5±0.3	11.9±0.3	0.81±0.03
Cambridge Lights KFSP	12.5±0.3	12.2±0.2	0.84±0.02
Richland Lights (25) KFSP	12.5±0.2	10.8±0.2	0.79±0.02
Kool Milds KFMSP	12.6±0.3	11.9±0.3	0.92±0.02
Lucky Strike KFHP	12.6±0.3	11.7±0.2	0.88±0.02
Satin 100FSP	12.7±0.3	11.0±0.3	0.97±0.02
Craven "A" RFHP	12.8±0.3	16.0±0.4	1.11±0.03
Kent KFHP	12.8±0.4	11.5±0.3	0.87±0.02
Benson & Hedges Lights 100's 100FSP	12.8±0.3	10.5±0.2	0.81±0.02
Lark Lights KFSP	12.8±0.4	13.1±0.2	1.01±0.02
Vantage KFMSP	12.8±0.4	10.3±0.3	0.69±0.02
Players 100's 100FHP	12.8±0.3	14.0±0.2	0.98±0.01
Pall Mall Red KFSP	12.9±0.3	13.8±0.3	1.02±0.02
Marlboro Lights 100's 100FHP	12.9±0.4	10.9±0.2	0.82±0.01
Pall Mall Light 100's Low Tar 100FMSP	12.9±0.3	13.3±0.2	1.06±0.02
Malibu 100's 100FSP	12.9±0.5	12.0±0.5	0.96±0.04

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig [±]
L & M KFSP.....	12.9±0.2	13.4±0.2	1.04±0.02
Players 100's 100FMHP	13.0±0.4	14.4±0.3	1.00±0.02
Winston Lights 100's 100FSP.....	13.0±0.3	11.2±0.2	0.79±0.01
Ritz 100 100FHP	13.0±0.2	11.7±0.2	0.83±0.02
Parliament Lights 100's 100FSP	13.1±0.4	12.4±0.2	0.95±0.02
Chesterfield RNFSP	13.2±0.3	20.5±0.5	1.30±0.03
Marlboro Lights 100's 100FSP	13.2±0.3	11.2±0.2	0.83±0.02
Satin 100FMSP	13.2±0.4	11.3±0.3	1.00±0.02
Magna Lites KFSP	13.2±0.2	9.0±0.1	0.62±0.01
Philip Morris RNFSP	13.3±0.3	22.7±0.4	1.34±0.02
Raleigh Lights 100's 100FSP	13.3±0.4	11.2±0.3	0.86±0.02
L & M KFHP	13.3±0.3	13.9±0.3	1.09±0.02
Eli Cutter Lights KFSP	13.4±0.3	12.1±0.3	0.93±0.02
Viceroy Lights KFSP	13.4±0.4	11.5±0.3	0.86±0.02
Players 25's Lights 100's 100FMSP	13.4±0.2	11.4±0.2	0.82±0.01
Kent KFSP	13.4±0.4	12.3±0.4	0.93±0.03
Virginia Slims 100FMSP	13.5±0.4	15.4±0.3	1.07±0.02
Raleigh Lights KFSP	13.5±0.3	11.6±0.2	0.86±0.01
Winston Lights KFSP	13.5±0.4	10.9±0.2	0.75±0.01
Century 25's Menthol Lights 100's.....	13.6±0.3	11.9±0.3	0.84±0.02
Vantage KFSP	13.6±0.4	10.6±0.3	0.72±0.02
Century 25's Lights 100's 100FSP	13.7±0.4	11.8±0.2	0.85±0.01
Doral Menthol Lights 100's 100FMSP	13.7±0.3	12.1±0.2	0.72±0.02
Doral 100's Filter Lights 100FSP	13.7±0.3	12.0±0.2	0.72±0.02
Kent 100s 100FSP.....	13.8±0.3	13.4±0.2	1.04±0.02
Players 25's Lights 100's 100FSP.....	13.8±0.3	11.8±0.2	0.85±0.01
L & M Super 100 100FSP	13.9±0.3	13.8±0.2	1.09±0.03
Viceroy Lights 100's 100FSP.....	14.0±0.4	11.8±0.2	0.91±0.02
Cambridge Lights 100's 100FMSP.....	14.0±0.3	11.8±0.2	0.86±0.01
Pall Mall Red 100FSP	14.0±0.3	13.6±0.3	1.04±0.02
Virginia Slims 100FSP	14.1±0.2	15.4±0.2	1.06±0.01
Doral Menthol Filter Lights KFMSP	14.1±0.3	11.7±0.2	0.62±0.02
Lark Light 100's 100FSP	14.1±0.4	13.8±0.3	1.09±0.02
Kool RNFMSF	14.3±0.4	21.5±0.8	1.34±0.05
Cambridge Lights 100's 100FSP.....	14.4±0.2	11.9±0.2	0.87±0.02
Kent 100s 100FMSP.....	14.4±0.3	13.6±0.3	1.00±0.03
Richland Lights (25) 100's 100FSP	14.4±0.4	12.4±0.2	0.92±0.02
Camel RNFSP	14.4±0.3	21.9±0.5	1.36±0.03
Lark 100FSP	14.5±0.4	14.8±0.3	1.20±0.03
Virginia Slims Lights 120's 120FMHP	14.5±0.5	14.6±0.5	1.05±0.02
Raleigh KFSP	14.5±0.3	15.0±0.4	0.96±0.02
Camel Lights 100's 100FSP.....	14.5±0.3	11.2±0.3	0.78±0.01
Saratoga 120's 120FHP	14.5±0.4	14.4±0.3	1.04±0.02
Hi-Lite 100FHP	14.5±0.4	13.8±0.2	1.01±0.02
Viceroy KFSP	14.7±0.3	15.1±0.3	0.96±0.02
Virginia Slims Lights 120's 120FHP	14.7±0.5	14.3±0.3	1.02±0.03
St. Moritz Filter 100s 100FSP	14.8±0.3	14.8±0.3	1.10±0.02

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig
Saratoga 120's 120FMHP	14.9±0.3	14.9±0.3	1.06±0.02
Magna KFSP	14.9±0.3	14.2±0.3	0.93±0.02
Marlboro KFHP	14.9±0.4	16.3±0.3	1.08±0.02
Doral Filter Lights KFSP	15.0±0.4	12.3±0.3	0.66±0.02
Viceroy Super Long 100's 100FSP	15.1±0.4	15.8±0.4	1.14±0.02
Benson & Hedges 100's 100FMHP	15.1±0.4	16.3±0.3	1.13±0.02
Falcon Lights 100's 100FSP	15.2±0.4	12.6±0.2	0.87±0.02
Tareyton KFSP	15.3±0.3	13.8±0.3	0.95±0.02
Camel Filters KFSP	15.3±0.3	15.4±0.2	1.00±0.02
English Ovals KNFHP	15.3±0.4	24.2±0.6	1.84±0.05
Eli Cutter KFSP	15.4±0.2	16.1±0.2	1.10±0.03
Philip Morris International 100FMHP	15.5±0.4	16.8±0.3	1.13±0.02
St. Moritz Menthol Filter 100MSP	15.5±0.3	15.1±0.2	1.04±0.02
Philip Morris Blues 100FMSP	15.6±0.4	15.5±0.2	1.15±0.02
Marlboro 25's KFSP	15.6±0.4	16.9±0.4	1.07±0.02
Marlboro KFMSP	15.6±0.3	16.8±0.2	1.09±0.01
Rothmans Special Mild KFHP	15.6±0.3	13.8±0.2	1.01±0.02
Alpine KFMSP	15.7±0.4	17.0±0.4	1.08±0.02
Chesterfield KNFSP	15.7±0.3	24.7±0.5	1.69±0.04
Craven "A" KFHP	15.7±0.3	15.5±0.3	1.13±0.02
Richland (25) KFSP	15.7±0.3	16.6±0.3	1.16±0.03
Marlboro KFSP	15.8±0.3	16.8±0.2	1.11±0.02
Kool KFMHP	15.8±0.3	15.6±0.3	1.09±0.02
Magna KFHP	15.9±0.5	14.1±0.4	0.89±0.02
Cambridge Full Flavor 100's 100FSP	15.9±0.4	17.2±0.3	1.15±0.02
Winston KFSP	15.9±0.2	16.8±0.3	1.09±0.02
Players RNFHP	16.0±0.3	25.2±0.5	1.66±0.04
Marlboro 100 Red 100FSP	16.0±0.3	16.7±0.3	1.18±0.02
Philip Morris Blues KFMSP	16.0±0.3	16.9±0.3	1.18±0.02
Cambridge Full Flavor KFSP	16.1±0.3	17.0±0.3	1.08±0.02
Benson & Hedges 100's 100FHP	16.1±0.4	16.8±0.2	1.16±0.02
Richland (25) KFMSP	16.1±0.3	16.4±0.3	1.09±0.02
Pall Mall KNFSP	16.1±0.3	23.7±0.4	1.54±0.02
Benson & Hedges 100's 100FMSP	16.1±0.4	16.4±0.2	1.16±0.02
Pall Mall 25's KNFSP	16.2±0.4	23.6±0.5	1.54±0.03
Raleigh 100's 100FSP	16.2±0.3	15.3±0.3	0.99±0.02
Tareyton 100's 100FSP	16.2±0.4	13.5±0.3	0.97±0.02
Camel Filters KFHP	16.3±0.3	16.5±0.2	1.03±0.01
Philip Morris Commander KNFSP	16.3±0.4	27.2±0.5	1.65±0.03
Kool Super Longs 100's 100FMSP	16.3±0.3	16.2±0.2	1.23±0.03
Winston KFHP	16.4±0.3	16.4±0.2	1.03±0.01
Kool KFMSP	16.5±0.4	16.9±0.4	1.18±0.03
Marlboro 100's 100FHP	16.5±0.5	16.6±0.3	1.16±0.02
Richland (25) 100's 100FMSP	16.6±0.3	16.2±0.2	1.18±0.03
Doral Full Flavor 100's 100FSP	16.6±0.3	14.2±0.2	0.81±0.02
Marlboro 100's 100FSP	16.6±0.5	16.9±0.3	1.17±0.02
Philip Morris International 100FHP	16.7±0.4	17.8±0.2	1.20±0.01

**Tobacco Institute Testing Laboratory
Market Sample 30
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig ^{av}
Old Gold Lights 100s 100FSP	16.7±0.3	13.0±0.2	1.02±0.02
Max 120s 120FSP	16.7±0.5	17.7±0.3	1.45±0.03
Max 120s 120FMSP	16.8±0.5	18.2±0.4	1.51±0.02
Pall Mall 100's 100FSP	16.8±0.5	16.7±0.4	1.24±0.02
Newport KFMHP	16.9±0.4	16.6±0.3	1.28±0.02
Raleigh KNFSP	17.0±0.4	24.0±0.4	1.38±0.03
Newport (25) KFMSP	17.0±0.4	16.8±0.3	1.29±0.03
Century 25's (25) KFSP	17.0±0.4	14.8±0.3	0.95±0.02
Marlboro 100 Red 100FHP	17.0±0.3	16.8±0.2	1.19±0.02
Lucky Strike RNFSP	17.0±0.4	24.3±0.4	1.50±0.02
Dunhill Menthol 100FMHP	17.1±0.3	14.5±0.2	1.23±0.02
Benson & Hedges 100's 100FSP	17.2±0.4	17.0±0.3	1.19±0.02
Richland (25) 100's 100FSP	17.2±0.4	17.7±0.3	1.31±0.02
Dunhill International 100FHP	17.3±0.4	14.8±0.2	1.38±0.03
Winston 100's 100FSP	17.5±0.3	17.2±0.3	1.07±0.02
Tall 120s 120FMSP	17.6±0.6	17.8±0.4	1.54±0.03
Newport KFMSP	17.7±0.3	17.3±0.2	1.33±0.02
Herbert Tareyton KNFSP	17.8±0.3	25.0±0.5	1.57±0.03
Salem 100's 100FMSP	17.9±0.4	16.6±0.2	1.13±0.02
Doral Full Flavor KFHP	18.1±0.5	15.2±0.3	0.80±0.02
Camel Filters 100FSP	18.1±0.5	17.4±0.4	1.07±0.03
Old Gold Filters KFSP	18.2±0.4	17.5±0.4	1.34±0.03
Fiesta KFSP	18.4±0.3	16.1±0.2	0.71±0.01
Salem KFMSP	18.4±0.4	15.7±0.3	0.97±0.02
Spring 100's 100FMSP	18.5±0.3	19.4±0.2	1.56±0.02
Old Gold Straights KNFSP	18.8±0.3	26.9±0.4	1.91±0.03
Newport 100's 100FMSP	18.9±0.4	19.4±0.3	1.53±0.03
Newport 100's (25) 100FMSP	19.0±0.4	19.6±0.3	1.55±0.03
Newport 100's 100FMHP	19.0±0.3	19.3±0.3	1.53±0.03
More Lights 120s 120FSP	19.1±0.4	12.0±0.3	0.89±0.02
More Lights 120s 120FMSP	19.2±0.5	11.8±0.2	0.91±0.02
Old Gold Filter 100's 100FSP	19.5±0.4	19.7±0.3	1.52±0.03
Doral Full Flavor KFSP	19.5±0.4	17.8±0.2	0.91±0.01
Rothmans KFHP	20.4±0.3	18.6±0.3	1.27±0.03
Century 25's 100's 100FSP	20.7±0.5	17.0±0.4	1.10±0.03
Tall 120s 120FSP	20.7±0.6	19.9±0.4	1.64±0.04
More 120s 120FSP	21.1±0.5	16.6±0.3	1.15±0.02
More 120s 120FMSP	21.3±0.7	16.9±0.5	1.25±0.03

Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
Alpine KFMSP	17	1.1	16
Belair KFMSP	10	0.8	10
Belair 100's 100FMSP	9	0.7	9
Benson & Hedges KFHP	15	1.2	12
Benson & Hedges 100's 100FHP	17	1.2	16
Benson & Hedges 100's 100FMHP	16	1.1	15
Benson & Hedges 100's 100FSP	17	1.2	17
Benson & Hedges 100's 100FMSP	16	1.2	16
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	6	0.5	7
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP	5	0.5	6
Benson & Hedges Lights 100's 100FSP	10	0.8	13
Benson & Hedges Lights 100's 100FMSP	11	0.8	12
Benson & Hedges Multifilter KFSP	12	0.9	12
Bright 100's 100FMSP	7	0.5	11
Cambridge Full Flavor KFSP	17	1.1	16
Cambridge Full Flavor 100's 100FSP	17	1.2	16
Cambridge Lights KFSP	12	0.8	13
Cambridge Lights KFMSP	12	0.8	13
Cambridge Lights 100's 100FSP	12	0.9	14
Cambridge Lights 100's 100FMSP	12	0.9	14
Camel RNFSP	22	1.4	14
Camel Filters KFHP	16	1.0	16
Camel Filters KFSP	15	1.0	15
Camel Filters 100FSP	17	1.1	18
Camel Lights KFHP	10	0.6	12
Camel Lights KFSP	9	0.6	12
Camel Lights 100's 100FSP	11	0.8	15
Capri 100FHP	9	0.8	6
Capri 100FMHP	9	0.7	6
Carlton KFHP	< 0.5	< 0.05	< 0.5
Carlton KFSP	1	0.1	2
Carlton KFMSP	1	0.1	1
Carlton 100's 100FHP	1	0.1	1
Carlton 100's 100FMHP	1	0.1	1
Carlton 100's 100FSP	3	0.3	4
Carlton 100's 100FMSP	4	0.4	6
Carlton 120's 120FSP	6	0.6	5
Carlton 120's 120FMSP	6	0.6	5
Century 25's (25) KFSP	15	0.9	17
Century 25's 100's 100FSP	17	1.1	21
Century 25's Lights (25) KFSP	10	0.7	12
Century 25's Lights 100's 100FSP	12	0.8	14
Century 25's Menthol Lights 100's	12	0.8	14
Chesterfield RNFSP	20	1.3	13
Chesterfield KNFSP	25	1.7	16
Doral Full Flavor KFHP	15	0.8	18
Doral Full Flavor KFSP	18	0.9	20

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**Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
Doral Full Flavor 100's 100FSP.....	14	0.8	17
Doral Filter Lights KFSP.....	12	0.7	15
Doral Menthol Filter Lights KFMSP.....	12	0.6	14
Doral 100's Filter Lights 100FSP.....	12	0.7	14
Doral Menthol Lights 100's 100FMSP.....	12	0.7	14
Doral Ultra Lights 100's 100FSP.....	7	0.5	12
Eli Cutter KFSP.....	16	1.1	15
Eli Cutter Lights KFSP.....	12	0.9	13
English Ovals KNFHP.....	24	1.8	15
Eve Slim Lights 100's 100FHP.....	13	1.0	11
Eve Slim Lights 100's 100FMHP.....	13	1.0	11
Eve Lights 120's 120FHP.....	12	1.1	11
Eve Lights 120's 120FMHP.....	13	1.1	11
Falcon Lights KFSP.....	11	0.8	11
Falcon Lights KFMSP.....	10	0.8	12
Falcon Lights 100's 100FSP.....	13	0.9	15
Falcon Lights 100's 100FMSP.....	9	0.7	11
Fiesta KFSP.....	16	0.7	18
Herbert Tareyton KNFSP.....	25	1.6	18
Hi-Lite 100FHP.....	14	1.0	15
Kent Golden Lights KFHP.....	10	0.8	10
Kent Golden Lights KFSP.....	9	0.8	9
Kent Golden Lights KFMSP.....	8	0.7	9
Kent Golden Lights 100s 100FHP.....	10	0.9	11
Kent Golden Lights 100s 100FSP.....	10	0.9	11
Kent Golden Lights 100s 100FMSP.....	9	0.9	10
Kent KFHP.....	11	0.9	13
Kent KFSP.....	12	0.9	13
Kent 100s 100FSP.....	13	1.0	14
Kent 100s 100FMSP.....	14	1.0	14
Kent III KFSP.....	4	0.4	4
Kent III 100s 100FHP.....	5	0.5	6
Kent III 100s 100FSP.....	5	0.5	7
Kim 25's 100FHP.....	11	0.9	12
Kim 25's 100FMHP.....	9	0.8	10
Kool RNFMSMSP.....	21	1.3	14
Kool KFMHP.....	16	1.1	16
Kool KFMSP.....	17	1.2	17
Kool Super Longs 100's 100FMSP.....	16	1.2	16
Kool Lights KFMSP.....	8	0.7	9
Kool Lights 100's 100FMSP.....	9	0.7	10
Kool Milds KFMHP.....	11	0.9	11
Kool Milds KFMSP.....	12	0.9	13
Kool Milds 100's 100FMSP.....	12	0.9	12
Kool Ultra KFMSP.....	3	0.3	4
Kool Ultra 100's 100FMSP.....	6	0.5	6
L & M KFHP.....	14	1.1	13

**Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
L & M KFSP.....	13	1.0	13
L & M Super 100 100FSP.....	14	1.1	14
L & M Long Lights 100FSP.....	8	0.8	6
L & M 30's Lights 100's 100FSP.....	13	1.1	11
Lark KFSP.....	13	1.0	12
Lark 100FSP.....	15	1.2	14
Lark Lights KFSP.....	13	1.0	13
Lark Light 100's 100FSP.....	14	1.1	14
Lucky Strike RNFSP.....	24	1.5	17
Lucky Strike KFHP.....	12	0.9	13
Lucky Strike KFSP.....	12	0.9	12
Lucky Strike Filters 100's 100FSP.....	12	1.0	12
Lucky Strike Menthol 100's 100FMSP.....	12	0.9	12
Lucky Strike Lights KFSP.....	8	0.6	10
Lucky Strike Lights 100's 100FSP.....	9	0.8	10
Magna KFHP.....	14	0.9	16
Magna KFSP.....	14	0.9	15
Magna Lites KFSP.....	9	0.6	13
Malibu 100's 100FSP.....	12	1.0	13
Malibu Menthol 100's 100FMSP.....	11	0.9	12
Malibu Light's 100's 100FSP.....	9	0.7	10
Marlboro KFHP.....	16	1.1	15
Marlboro KFSP.....	17	1.1	16
Marlboro KFMSP.....	17	1.1	16
Marlboro 100's 100FHP.....	17	1.2	17
Marlboro 100's 100FSP.....	17	1.2	17
Marlboro 25's KFSP.....	17	1.1	16
Marlboro Lights KFHP.....	11	0.8	12
Marlboro Lights KFSP.....	11	0.8	12
Marlboro Lights KFMSP.....	11	0.8	12
Marlboro Lights 100's 100FHP.....	11	0.8	13
Marlboro Lights 100's 100FSP.....	11	0.8	13
Marlboro Lights 100's 100FMSP.....	10	0.8	12
Marlboro Lights 25's KFSP.....	11	0.8	12
Marlboro 100 Red 100FHP.....	17	1.2	17
Marlboro 100 Red 100FSP.....	17	1.2	16
Max 120s 120FSP.....	18	1.4	17
Max 120s 120FMSP.....	18	1.5	17
Merit KFHP.....	8	0.6	10
Merit KFSP.....	8	0.6	10
Merit KFMSP.....	8	0.6	10
Merit 100's 100FSP.....	10	0.8	12
Merit 100's 100FMSP.....	10	0.8	12
Merit Ultra Lights KFSP.....	5	0.5	7
Merit Ultra Lights KFMSP.....	5	0.4	6
Merit Ultra Lights 100's 100FSP.....	6	0.5	7
Merit Ultra Lights 100's 100FMSP.....	5	0.5	7

**Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
More 120s 120FSP	17	1.2	21
More 120s 120FMSP	17	1.3	21
More Lights 100s 100FHP	9	0.7	10
More Lights 100s 100FMHP	9	0.7	10
More Lights 120s 120FSP	12	0.9	19
More Lights 120s 120FMSP	12	0.9	19
Newport KFMHP	17	1.3	17
Newport KFMSP	17	1.3	18
Newport 100's 100FMHP	19	1.5	19
Newport 100's 100FMSP	19	1.5	19
Newport (25) KFMSP	17	1.3	17
Newport 100's (25) 100FMSP	20	1.6	19
Newport Lights KFMHP	9	0.8	10
Newport Lights KFMSP	9	0.8	10
Newport Lights 100's 100FMHP	10	1.0	11
Newport Lights 100's 100FMSP	9	0.9	10
Now KFHP	< 0.5	< 0.05	< 0.5
Now KFSP	1	0.1	2
Now KFMSP	1	0.1	2
Now 100s 100FSP	2	0.2	3
Now 100s 100FMSP	3	0.3	4
Old Gold Straights KNFSP	27	1.9	19
Old Gold Filters KFSP	17	1.3	18
Old Gold Filter 100's 100FSP	20	1.5	19
Old Gold Lights KFSP	10	0.9	11
Old Gold Lights 100s 100FSP	13	1.0	17
Pall Mall KNFSP	24	1.5	16
Pall Mall 25's KNFSP	24	1.5	16
Pall Mall 100's 100FSP	17	1.2	17
Pall Mall Unfiltered Lights KNFSP	16	1.1	12
Pall Mall Light 100's 100FSP	10	0.8	12
Pall Mall Light 100's Low Tar 100FMSP	13	1.1	13
Pall Mall Red KFSP	14	1.0	13
Pall Mall Red 100FSP	14	1.0	14
Parliament Lights KFHP	9	0.7	10
Parliament Lights KFSP	9	0.7	10
Parliament Lights 100's 100FSP	12	1.0	13
Philip Morris RNFSP	23	1.3	13
Philip Morris Commander KNFSP	27	1.6	16
Philip Morris Blues KFMSP	17	1.2	16
Philip Morris Blues 100FMSP	15	1.2	16
Philip Morris International 100FHP	18	1.2	17
Philip Morris International 100FMHP	17	1.1	15
Players RNFHP	25	1.7	16
Players KFHP	12	0.8	12
Players KFMHP	12	0.8	12
Players 100's 100FHP	14	1.0	13

**Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
Players 100's 100FMHP	14	1.0	13
Players Lights 25's KFSP.....	10	0.7	11
Players Lights 25's KFMSF.....	10	0.7	11
Players 25's Lights 100's 100FSP.....	12	0.8	14
Players 25's Lights 100's 100FMSP.....	11	0.8	13
Raleigh KNFSP	24	1.4	17
Raleigh KFSP	15	1.0	15
Raleigh 100's 100FSP.....	15	1.0	16
Raleigh Lights KFSP	12	0.9	13
Raleigh Lights 100's 100FSP.....	11	0.9	13
Richland (25) KFSP.....	17	1.2	16
Richland (25) KFMSF.....	16	1.1	16
Richland (25) 100's 100FSP	18	1.3	17
Richland (25) 100's 100FMSP	16	1.2	17
Richland Lights (25) KFSP.....	11	0.8	13
Richland Lights (25) 100's 100FSP	12	0.9	14
Ritz 100 100FHP	12	0.8	13
Ritz 100 100FMHP	11	0.8	12
Salem KFMSF.....	16	1.0	18
Salem 100's 100FMSP	17	1.1	18
Salem Lights KFMSF.....	10	0.7	12
Salem Lights 100's 100FMHP	11	0.8	12
Salem Lights 100's 100FMSP.....	9	0.7	11
Salem Slim Lights 100's 100FMHP	9	0.7	10
Salem Ultra Lights KFMSF.....	5	0.4	8
Salem Ultra Lights 100's 100FMSP.....	5	0.4	7
Saratoga 120's 120FHP.....	14	1.0	15
Saratoga 120's 120FMHP.....	15	1.1	15
Satin 100FSP.....	11	1.0	13
Satin 100FMSP	11	1.0	13
Silva Thins Filters 100FHP	10	0.9	11
Silva Thins Menthol 100FMHP.....	11	1.0	11
Silva Thins 100FSP.....	12	0.9	10
Silva Thins Menthol 100FMSP.....	12	1.0	10
Spring 100's 100FMSP.....	19	1.6	18
Tall 120s 120FSP	20	1.6	21
Tall 120s 120FMSP	18	1.5	18
Tareyton KFSP	14	1.0	15
Tareyton 100's 100FSP	14	1.0	16
Tareyton Lights KFSP	5	0.4	6
Tareyton Long Lights 100FSP	9	0.7	9
Triumph KFSP	4	0.4	4
Triumph KFMSF.....	4	0.4	4
Triumph 100s 100FSP.....	5	0.5	7
Triumph 100s 100FMSP.....	6	0.6	8
True KFSP.....	5	0.5	6
True KFMSF.....	5	0.5	6

**Tobacco Institute Testing Laboratory
Market Sample 30
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
True 100's 100FSP.....	7	0.7	7
True 100's 100FMSP.....	7	0.7	8
Vantage KFSP.....	11	0.7	14
Vantage KFMSF.....	10	0.7	13
Vantage 100s 100FSP.....	9	0.6	12
Vantage Menthol 100s 100FMSP.....	8	0.6	13
Vantage Ultra Lights KFSP.....	5	0.4	8
Vantage Ultra Lights 100s 100FSP.....	6	0.5	9
Viceroy KFSP.....	15	1.0	15
Viceroy Super Long 100's 100FSP.....	16	1.1	15
Viceroy Lights KFSP.....	11	0.9	13
Viceroy Lights 100's 100FSP.....	12	0.9	14
Virginia Slims 100FSP.....	15	1.1	14
Virginia Slims 100FMSP.....	15	1.1	13
Virginia Slims Lights 100FHP.....	9	0.7	10
Virginia Slims Lights 100FMHP.....	9	0.7	9
Virginia Slims Lights 120's 120FHP.....	14	1.0	15
Virginia Slims Lights 120's 120FMHP.....	15	1.0	15
Virginia Slims Ultra Lights 100FHP.....	6	0.5	7
Virginia Slims Ultra Lights 100FMHP.....	6	0.5	7
Winston KFHP.....	16	1.0	16
Winston KFSP.....	17	1.1	16
Winston 100's 100FSP.....	17	1.1	18
Winston Lights KFHP.....	10	0.6	12
Winston Lights KFSP.....	11	0.8	14
Winston Lights 100's 100FHP.....	10	0.7	11
Winston Lights 100's 100FSP.....	11	0.8	13
Winston Ultra Lights KFSP.....	5	0.4	8
Winston Ultra Lights 100's 100FSP.....	5	0.4	9
Craven "A" KFHP.....	16	1.1	16
Craven "A" RFHP.....	16	1.1	13
Dunhill International 100FHP.....	15	1.4	17
Dunhill Menthol 100FMHP.....	15	1.2	17
Dunhill International Superior Mild 100FHP.....	9	0.8	11
Rothmans KFHP.....	19	1.3	20
Rothmans Special Mild KFHP.....	14	1.0	16
St. Moritz Filter 100s 100FSP.....	15	1.1	15
St. Moritz Menthol Filter 100MSP.....	15	1.0	15

Butt Lengths

Tobacco Institute Testing Laboratory Market Sample 30

Brand	Butt Length - mm
Alpine KFMSP	28,29
Belair KFMSP	32,33,34,35,36
Belair 100's 100FMSP	38,39,40
Benson & Hedges KFHP	33,34
Benson & Hedges 100's 100FHP	34,35,36
Benson & Hedges 100's 100FMHP	35,36
Benson & Hedges 100's 100FSP	34,35,36
Benson & Hedges 100's 100FMSP	34,35,36
Benson & Hedges Deluxe Ultra Lights 100's 100FHP	38,39,40
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP	38,39,40
Benson & Hedges Lights 100's 100FSP	38,39,40
Benson & Hedges Lights 100's 100FMSP	38,39,40
Benson & Hedges Multifilter KFSP	32,33,34
Bright 100s 100FMSP	37,38,39
Cambridge Full Flavor KFSP	28,29
Cambridge Full Flavor 100's 100FSP	39,40
Cambridge Lights KFSP	33,34,35
Cambridge Lights KFMSP	33,34,35
Cambridge Lights 100's 100FSP	38,39,40
Cambridge Lights 100's 100FMSP	38,39,40
Camel RNFSP	23
Camel Filters KFHP	25.5,26,26.5
Camel Filters KFSP	27,28,29,30
Camel Filters 100FSP	34,35
Camel Lights KFHP	30,31
Camel Lights KFSP	33,34,35
Camel Lights 100's 100FSP	38,39
Capri 100FHP	35,36
Capri 100FMHP	35,36
Carlton KFHP	38,39,40
Carlton KFSP	32,33,33.5,34,34.5
Carlton KFMSP	32,33,33.5,34,35
Carlton 100's 100FHP	38,39
Carlton 100's 100FMHP	37,38,39,40
Carlton 100's 100FSP	33,34,35,35.5,36
Carlton 100's 100FMSP	34,35,35.5,36
Carlton 120's 120FSP	37,38,39
Carlton 120's 120FMSP	37,38,39,41
Century 25's KFSP	29,30,31
Century 25's 100's 100FSP	37,38,39
Century 25's Lights KFSP	33,34,35,36
Century 25's Lights 100's 100FSP	38,38.5,39
Century 25's Menthol Lights 100's	37,38,39
Chesterfield RNFSP	23
Chesterfield KNFSP	23
Doral Full Flavor KFHP	26,27
Doral Full Flavor KFSP	27,28,29

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Butt Lengths
Tobacco Institute Testing Laboratory
Market Sample 30

Brand	Length - mm
Doral Full Flavor 100's 100FSP.....	37,38,39
Doral Filter Lights KFSP.....	33,34,34.5,35
Doral Menthol Filter Lights KFMSP.....	33,34,34.5,35
Doral 100's Filter Lights 100FSP.....	36,37,38,39,40
Doral Menthol Lights 100's 100FMSP.....	37,38,39
Doral Ultra Lights 100's 100FSP.....	37,37.5,38,38.5,39
Eli Cutter KFSP.....	28,29,29.5
Eli Cutter Lights KFSP.....	35,36
English Ovals KNFHP.....	23
Eve Slim Lights 100's 100FHP.....	37,38,39
Eve Slim Lights 100's 100FMHP.....	37,38,39
Eve Lights 120's 120FHP.....	37,38,39,40
Eve Lights 120's 120FMHP.....	36,37,38,39,40
Falcon Lights KFSP.....	34,34.5,35,35.5,36
Falcon Lights KFMSP.....	34,35,35.5,36
Falcon Lights 100's 100FSP.....	37.5,38,39,39.5,40
Falcon Lights 100's 100FMSP.....	37.5,38,39,39.5,40
Fiesta KFSP.....	32,33,34
Herbert Tareyton KNFSP.....	23
Hi-Lite 100FHP.....	35
Kent Golden Lights KFHP.....	32,33,34
Kent Golden Lights KFSP.....	34,35,36
Kent Golden Lights KFMSP.....	34,35,36
Kent Golden Lights 100s 100FHP.....	35,36,37,38,39,40
Kent Golden Lights 100s 100FSP.....	35,36,36.5,37,37.5,38
Kent Golden Lights 100s 100FMSP.....	36,37,38,39,40
Kent KFHP.....	28,29
Kent KFSP.....	28,29,30
Kent 100s 100FSP.....	35,36,37,38
Kent 100s 100FMSP.....	35,36,37
Kent III KFSP.....	34,35,36
Kent III 100s 100FHP.....	36,36.5,37,38
Kent III 100s 100FSP.....	36,36.5,37,38
Kim 25's 100FHP.....	32,33,34
Kim 25's 100FMHP.....	32,33,34
Kool RNFMSF.....	23
Kool KFMHP.....	26,26.5
Kool KFMSP.....	28,29,30
Kool Super Longs 100's 100FMSP.....	35,36
Kool Lights KFMSP.....	33,34,35,36
Kool Lights 100's 100FMSP.....	38,38.5,39,39.5
Kool Milds KFMHP.....	27,28,29,30
Kool Milds KFMSP.....	34,35,36
Kool Milds 100's 100FMSP.....	38,39
Kool Ultra KFMSP.....	34,35,36
Kool Ultra 100's 100FMSP.....	38.5,39,39.5
L & M KFHP.....	28,29,29.5

Butt Lengths
Tobacco Institute Testing Laboratory
Market Sample 30

Brand	Length - mm
L & M KFSP.....	33,34
L & M Super 100 100FSP.....	38,39
L & M Long Lights 100FSP.....	36,37,38,39,40
L & M 30's Lights 100's 100FSP.....	37,38,39
Lark KFSP.....	32,33,34
Lark 100FSP.....	37,38,39
Lark Lights KFSP.....	33,34
Lark Light 100's 100FSP.....	28,29
Lucky Strike RNFSP.....	23
Lucky Strike KFHP.....	33,34
Lucky Strike KFSP.....	33,34
Lucky Strike Filters 100's 100FSP.....	34,35,36
Lucky Strike Menthol 100's 100FMSP.....	34,35,35.5,36.5,37
Lucky Strike Lights KFSP.....	32,33,34
Lucky Strike Lights 100's 100FSP.....	34,35,36
Magna KFHP.....	26,27
Magna KFSP.....	28,29
Magna Lites KFSP.....	34,35
Malibu 100's 100FSP.....	33,34,35,36,37
Malibu Menthol 100's 100FMSP.....	35,36
Malibu Light's 100's 100FSP.....	34,34.5,35,35.5,36
Marlboro KFHP.....	26,27
Marlboro KFSP.....	28,29
Marlboro KFMSP.....	28,29
Marlboro 100's 100FHP.....	34,35
Marlboro 100's 100FSP.....	34,35
Marlboro 25's KFSP.....	27,28,29
Marlboro Lights KFHP.....	33,34,35
Marlboro Lights KFSP.....	34,35
Marlboro Lights KFMSP.....	33,34,35
Marlboro Lights 100's 100FHP.....	38,39,40
Marlboro Lights 100's 100FSP.....	38,39,40
Marlboro Lights 100's 100FMSP.....	38,39,40
Marlboro Lights 25's KFSP.....	33,34,35
Marlboro 100 Red 100FHP.....	34,35
Marlboro 100 Red 100FSP.....	35
Max 120s 120FSP.....	37,38,39
Max 120s 120FMSP.....	37,38,39
Merit KFHP.....	35,35.5,36
Merit KFSP.....	35,35.5,36
Merit KFMSP.....	34.5,35
Merit 100's 100FSP.....	39,39.5,40
Merit 100's 100FMSP.....	39,39.5,40
Merit Ultra Lights KFSP.....	34,35
Merit Ultra Lights KFMSP.....	34,35,36
Merit Ultra Lights 100's 100FSP.....	38,39,39.5,40
Merit Ultra Lights 100's 100FMSP.....	39,40

Butt Lengths
Tobacco Institute Testing Laboratory
Market Sample 30

Brand	Length - mm
More 120s 120FSP	42,43
More 120s 120FMSP	42,43
More Lights 100s 100FHP	37,38,39
More Lights 100s 100FMHP	37,38,39
More Lights 120s 120FSP	41,42,43
More Lights 120s 120FMSP	41,42,43
Newport KFMHP	28,29,30
Newport KFMSP	27,28,29,30
Newport 100's 100FMHP	35,36,37,38
Newport 100's 100FMSP	35,36,37
Newport (25) KFMSP	28,29,30
Newport 100's (25) 100FMSP	35,36,37
Newport Lights KFMHP	31,32,33,34
Newport Lights KFMSP	33,34,35,36
Newport Lights 100's 100FMHP	35,36,37,38,39,40
Newport Lights 100's 100FMSP	35,36,5,37,37.5,38,38.5,39,40
Now KFHP	34,34.5,35,35.5
Now KFSP	33,34,34.5,35,36
Now KFMSP	33,34,34.5,35,36
Now 100s 100FSP	37,38,38.5
Now 100s 100FMSP	37,38,38.5,39
Old Gold Straights KNFSP	23
Old Gold Filters KFSP	27,28,29
Old Gold Filter 100's 100FSP	35,36,37
Old Gold Lights KFSP	34,35,36
Old Gold Lights 100s 100FSP	34,35,36,37
Pall Mall KNFSP	23
Pall Mall 25's KNFSP	23
Pall Mall 100's 100FSP	34,34.5,35,35.5,36
Pall Mall Unfiltered Lights KNFSP	27,28
Pall Mall Light 100's 100FSP	36,37,38,39,40,41
Pall Mall Light 100's Low Tar 100FMSP	34,35,36,37
Pall Mall Red KFSP	26,27,28
Pall Mall Red 100FSP	35,36
Parliament Lights KFHP	33,34
Parliament Lights KFSP	33,33.5,34
Parliament Lights 100's 100FSP	39,39.5,40
Philip Morris RNFSP	23
Philip Morris Commander KNFSP	23
Philip Morris Blues KFMSP	28,28.5,29
Philip Morris Blues 100FMSP	33.5,34.5,35
Philip Morris International 100FHP	35,36
Philip Morris International 100FMHP	35,36
Players RNFHP	23
Players KFHP	34,35,36
Players KFMHP	35,35.5
Players 100's 100FHP	38,39,39.5,40

Butt Lengths
Tobacco Institute Testing Laboratory
Market Sample 30

Brand	Length - mm
Players 100's 100FMHP	38,39,39.5
Players Lights 25's KFSP	32,34,34.5,35,35.5,36
Players Lights 25's KFMSP	33,33.5,34,34.5,35,36
Players 25's Lights 100's 100FSP	38,38.5,39,39.5,40
Players 25's Lights 100's 100FMSP	39,39.5
Raleigh KNFSP	23
Raleigh KFSP	29,30
Raleigh 100's 100FSP	35,36
Raleigh Lights KFSP	32,33,34,35,36
Raleigh Lights 100's 100FSP	39,40
Richland (25) KFSP	28,28.5,29
Richland (25) KFMSP	28.5,29,29.5
Richland (25) 100's 100FSP	35
Richland (25) 100's 100FMSP	34,34.5,35,35.5,36
Richland Lights (25) KFSP	34,35,36
Richland Lights (25) 100's 100FSP	38.5,39,39.5,40
Ritz 100 100FHP	38,38.5,39
Ritz 100 100FMHP	38,38.5,39
Salem KFMSP	28,29
Salem 100's 100FMSP	34,34.5,35
Salem Lights KFMSP	34,34.5,35
Salem Lights 100's 100FMHP	27,28,29
Salem Lights 100's 100FMSP	37,38,38.5,39
Salem Slim Lights 100's 100FMHP	37,37.5,38,38.5,39
Salem Ultra Lights KFMSP	34,34.5,35
Salem Ultra Lights 100's 100FMSP	37,38,38.5,39
Saratoga 120's 120FHP	39,40
Saratoga 120's 120FMHP	38,39,40
Satin 100FSP	34,35,36,36.5,37,38
Satin 100FMSP	34,35,36,36.5,37
Silva Thins Filters 100FHP	38,39,40
Silva Thins Menthol 100FMHP	39,40
Silva Thins 100FSP	34,35,35.5,36,37
Silva Thins Menthol 100FMSP	35,36
Spring 100's 100FMSP	35.5,36,36.5,37,37.5
Tall 120s 120FSP	37,38,38.5,39
Tall 120s 120FMSP	37,37.5,38,39
Tareyton KFSP	26,27,28
Tareyton 100's 100FSP	34,35,36,37
Tareyton Lights KFSP	33,34,35.5,36,37
Tareyton Long Lights 100FSP	33,34,35,36
Triumph KFSP	35,36
Triumph KFMSP	34,35,36
Triumph 100s 100FSP	33,35,36,37,38,39
Triumph 100s 100FMSP	35,36,37,38,39
True KFSP	32,33,34
True KFMSP	32,32.5,33,34,35

Butt Lengths
Tobacco Institute Testing Laboratory
Market Sample 30

Brand	Length - mm
True 100's 100FSP.....	35,36,36.5,37,38
True 100's 100FMSP.....	36,37
Vantage KFSP	33,34
Vantage KFMSP	32,33,33.5,34
Vantage 100s 100FSP	37,38
Vantage Menthol 100s 100FMSP.....	37,38,38.5,39
Vantage Ultra Lights KFSP.....	33,34,35
Vantage Ultra Lights 100s 100FSP	37,38,38.5,39
Viceroy KFSP	29,30
Viceroy Super Long 100's 100FSP	35,36
Viceroy Lights KFSP	33,34,35,36
Viceroy Lights 100's 100FSP.....	38,39,40
Virginia Slims 100FSP	34,35,36
Virginia Slims 100FMSP	34,35,36
Virginia Slims Lights 100FHP	38,39,40
Virginia Slims Lights 100FMHP	38,39,40
Virginia Slims Lights 120's 120FHP	39,40
Virginia Slims Lights 120's 120FMHP	38,39,40
Virginia Slims Ultra Lights 100FHP	38,39,40,41
Virginia Slims Ultra Lights 100FMHP.....	38,39,40
Winston KFHP	26,27
Winston KFSP	28,29
Winston 100's 100FSP	37,37.5,38,38.5
Winston Lights KFHP	30,31
Winston Lights KFSP	34,34.5,35
Winston Lights 100's 100FHP	37,38,39
Winston Lights 100's 100FSP.....	37,38,38.5,39
Winston Ultra Lights KFSP.....	34,34.5,35
Winston Ultra Lights 100's 100FSP	37,38,38.5,39
Craven "A" KFHP	24,25
Craven "A" RFHP	23
Dunhill International 100FHP.....	31
Dunhill Menthol 100FMHP	31
Dunhill International Superior Mild 100FHP	31
Rothmans KFHP.....	24,25
Rothmans Special Mild KFHP.....	27,27.5
St. Moritz Filter 100s 100FSP.....	35,36,37,38
St. Moritz Menthol Filter 100MSP	35,36,37,38

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Alpine	\bar{X}	17.0±0.4	1.08±0.02	15.7±0.4	3.4±0.3	21.5±0.6	9.1±0.1
king size filter menthol	s	0.8	0.05	0.9	0.6	1.4	0.3
soft pack	CV	4.9	4.7	5.6	17.8	6.6	3.0
Belair	\bar{X}	10.4±0.2	0.82±0.02	9.8±0.2	1.2±0.1	12.4±0.3	7.1±0.1
king size filter menthol	s	0.5	0.05	0.5	0.2	0.7	0.2
soft pack	CV	5.1	5.6	4.9	13.1	5.6	3.4
Belair 100's	\bar{X}	8.6±0.3	0.66±0.02	9.2±0.4	0.9±0.05	10.1±0.3	8.6±0.1
100 mm filter menthol	s	0.6	0.05	0.8	0.1	0.7	0.3
soft pack	CV	6.6	7.1	8.6	12.8	7.1	2.9
Benson & Hedges	\bar{X}	15.1±0.4	1.18±0.02	11.5±0.3	2.0±0.1	18.2±0.5	9.5±0.1
king size filter	s	0.9	0.06	0.7	0.3	1.2	0.3
hard pack	CV	5.7	4.7	6.3	16.3	6.7	3.3
Benson & Hedges 100's	\bar{X}	16.8±0.2	1.16±0.02	16.1±0.4	2.2±0.1	20.2±0.3	10.3±0.1
100 mm filter	s	0.5	0.05	0.8	0.2	0.7	0.2
hard pack	CV	3.2	4.0	5.0	9.1	3.7	2.3
Benson & Hedges 100's	\bar{X}	16.3±0.3	1.13±0.02	15.1±0.4	2.1±0.1	19.5±0.4	10.2±0.1
100 mm filter menthol	s	0.6	0.04	0.9	0.2	0.8	0.3
hard pack	CV	3.7	3.5	5.7	10.6	4.2	2.9
Benson & Hedges 100's	\bar{X}	17.0±0.3	1.19±0.02	17.2±0.4	2.3±0.1	20.5±0.4	10.4±0.1
100 mm filter	s	0.7	0.04	0.8	0.3	1.0	0.3
soft pack	CV	4.1	3.6	4.8	12.5	4.7	2.7
Benson & Hedges 100's	\bar{X}	16.4±0.2	1.16±0.02	16.1±0.4	2.2±0.1	19.7±0.3	10.4±0.1
100 mm filter menthol	s	0.4	0.04	0.9	0.2	0.6	0.2
soft pack	CV	2.7	3.4	5.3	7.6	3.1	2.2
Benson & Hedges Deluxe	\bar{X}	5.8±0.3	0.49±0.02	7.1±0.4	0.6±0.04	6.8±0.3	9.1±0.1
Ultra Lights 100's 100 mm filter	s	0.6	0.05	0.8	0.1	0.7	0.3
hard pack	CV	10.0	10.4	11.3	14.3	10.1	3.1

PM3000762852

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Benson & Hedges Deluxe Ultra Lights 100's 100 mm filter menthol hard pack	\bar{X} s CV	5.4±0.2 0.5 9.0	0.49±0.02 0.04 8.9	6.2±0.4 0.8 13.4	0.5±0.03 0.1 12.9	6.4±0.3 0.6 8.9	9.8±0.2 0.4 3.8
Benson & Hedges Lights 100's 100 mm filter soft pack	\bar{X} s CV	10.5±0.2 0.5 4.8	0.81±0.02 0.04 4.8	12.8±0.3 0.7 5.8	1.1±0.04 0.1 7.5	12.4±0.3 0.6 4.7	10.1±0.1 0.3 2.6
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	\bar{X} s CV	10.6±0.2 0.5 5.1	0.78±0.02 0.04 5.2	12.2±0.3 0.7 6.1	1.1±0.04 0.1 8.1	12.5±0.3 0.6 5.2	10.3±0.1 0.2 2.3
Benson & Hedges Multifilter king size filter soft pack	\bar{X} s CV	12.1±0.2 0.6 4.6	0.87±0.02 0.05 5.7	11.6±0.3 0.7 5.7	1.7±0.1 0.1 8.5	14.7±0.3 0.7 4.8	8.6±0.1 0.2 2.9
Bright 100s 100 mm filter menthol soft pack	\bar{X} s CV	6.7±0.1 0.3 4.5	0.49±0.02 0.04 7.5	10.7±0.2 0.6 5.2	0.6±0.02 0.04 6.0	7.8±0.2 0.3 4.3	9.3±0.2 0.4 4.6
Cambridge Full Flavor king size filter soft pack	\bar{X} s CV	17.0±0.3 0.8 4.5	1.08±0.02 0.05 4.8	16.1±0.3 0.8 4.7	4.2±0.2 0.6 13.2	22.3±0.6 1.3 5.8	8.5±0.1 0.2 2.4
Cambridge Full Flavor 100's 100 mm filter soft pack	\bar{X} s CV	17.2±0.3 0.7 4.2	1.15±0.02 0.04 3.4	15.9±0.4 0.8 5.0	2.7±0.1 0.3 12.2	21.0±0.5 1.0 5.0	9.2±0.1 0.2 2.5
Cambridge Lights king size filter soft pack	\bar{X} s CV	12.2±0.2 0.5 4.1	0.84±0.02 0.04 4.8	12.5±0.3 0.8 6.0	1.6±0.1 0.2 12.2	14.6±0.3 0.7 4.8	8.4±0.1 0.3 3.5
Cambridge Lights king size filter menthol soft pack	\bar{X} s CV	11.9±0.3 0.6 5.1	0.81±0.03 0.08 9.3	12.5±0.3 0.7 5.7	1.4±0.1 0.2 12.5	14.2±0.4 0.8 5.7	8.2±0.1 0.3 3.8

Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Cambridge Lights 100's 100 mm filter soft pack	\bar{X}	11.9±0.2	0.87±0.02	14.4±0.2	1.4±0.03	14.2±0.2	10.1±0.1
	s	0.4	0.04	0.5	0.1	0.5	0.3
	CV	3.6	4.4	3.7	5.5	3.6	2.6
Cambridge Lights 100's 100 mm filter menthol soft pack	\bar{X}	11.8±0.2	0.86±0.01	14.0±0.3	1.2±0.04	13.9±0.2	10.1±0.1
	s	0.3	0.03	0.6	0.1	0.5	0.3
	CV	3.0	3.5	4.1	7.9	3.3	3.0
Camel regular size non-filter soft pack	\bar{X}	21.9±0.5	1.36±0.03	14.4±0.3	3.6±0.2	26.9±0.7	6.9±0.1
	s	1.0	0.06	0.7	0.4	1.5	0.2
	CV	4.7	4.6	4.9	11.9	5.5	3.3
Camel Filters king size filter hard pack	\bar{X}	16.5±0.2	1.03±0.01	16.3±0.3	3.7±0.2	21.2±0.4	8.2±0.1
	s	0.5	0.03	0.7	0.5	0.9	0.3
	CV	3.1	3.2	4.4	12.2	4.3	3.4
Camel Filters king size filter soft pack	\bar{X}	15.4±0.2	1.00±0.02	15.3±0.3	3.0±0.1	19.4±0.4	8.4±0.1
	s	0.5	0.04	0.7	0.3	0.8	0.2
	CV	3.3	4.0	4.6	10.3	4.1	2.3
Camel Filters 100 mm filter soft pack	\bar{X}	17.4±0.4	1.07±0.03	18.1±0.5	2.6±0.2	21.1±0.5	9.9±0.1
	s	0.9	0.06	1.1	0.3	1.2	0.3
	CV	4.9	5.7	6.2	13.2	5.8	3.0
Camel Lights king size filter hard pack	\bar{X}	9.6±0.2	0.61±0.01	11.7±0.2	1.1±0.1	11.4±0.2	7.6±0.1
	s	0.4	0.02	0.5	0.1	0.5	0.3
	CV	4.1	4.0	4.7	11.8	4.6	3.5
Camel Lights king size filter soft pack	\bar{X}	8.9±0.2	0.61±0.01	12.5±0.3	1.0±0.1	10.5±0.2	8.0±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	4.6	4.6	5.8	13.2	5.1	3.1
Camel Lights 100's 100 mm filter soft pack	\bar{X}	11.2±0.3	0.78±0.01	14.5±0.3	1.2±0.1	13.2±0.3	9.4±0.1
	s	0.6	0.03	0.7	0.1	0.7	0.2
	CV	5.1	4.1	4.7	10.3	5.4	2.5

Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Capri	\bar{X}	8.8±0.2	0.76±0.02	6.2±0.2	1.2±0.1	10.7±0.3	8.9±0.1
100 mm filter	s	0.4	0.04	0.4	0.2	0.6	0.2
hard pack	CV	4.8	5.3	6.4	16.0	5.5	2.6
Capri	\bar{X}	8.8±0.2	0.71±0.01	5.9±0.2	1.1±0.1	10.6±0.3	8.9±0.1
100 mm filter menthol	s	0.4	0.03	0.4	0.2	0.6	0.2
hard pack	CV	4.9	4.2	7.4	16.7	5.7	2.8
Carlton	\bar{X}	< 0.5	< 0.05	< 0.5		< 0.5	6.6±0.2
king size filter	s						0.4
hard pack	CV						5.9
Carlton	\bar{X}	1.1±0.1	0.13±0.01	2.0±0.1	0.1±0.01	1.3±0.1	7.0±0.2
king size filter	s	0.1	0.02	0.2	0.02	0.1	0.4
soft pack	CV	10.6	13.8	9.7	23.4	9.6	5.0
Carlton	\bar{X}	0.6±0.1	0.09±0.01	1.3±0.1	0.1±0.02	0.8±0.1	7.0±0.1
king size filter menthol	s	0.2	0.01	0.2	0.04	0.2	0.3
soft pack	CV	23.6	13.0	15.8	44.1	19.3	4.2
Carlton 100's	\bar{X}	0.8±0.1	0.11±0.01	1.1±0.1	0.1±0.01	1.0±0.1	8.3±0.1
100 mm filter	s	0.2	0.02	0.2	0.02	0.2	0.3
hard pack	CV	23.6	18.5	22.3	25.7	20.9	3.7
Carlton 100's	\bar{X}	0.7±0.1	0.10±0.01	0.9±0.1	0.1±0.01	0.9±0.1	8.4±0.1
100 mm filter menthol	s	0.2	0.01	0.2	0.02	0.2	0.3
hard pack	CV	25.1	12.8	16.5	32.7	21.9	3.3
Carlton 100's	\bar{X}	3.3±0.1	0.33±0.01	4.4±0.2	0.3±0.02	3.9±0.2	9.2±0.1
100 mm filter	s	0.3	0.03	0.4	0.04	0.3	0.2
soft pack	CV	8.9	9.5	9.7	12.8	8.7	2.5
Carlton 100's	\bar{X}	4.4±0.2	0.42±0.01	6.3±0.3	0.4±0.02	5.2±0.2	8.5±0.1
100 mm filter menthol	s	0.4	0.03	0.7	0.04	0.5	0.2
soft pack	CV	9.8	6.4	10.7	9.9	9.0	2.8

PM3000762855

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Carlton 120's 120 mm filter soft pack	\bar{X} s CV	5.9±0.2 0.4 6.8	0.57±0.01 0.03 5.1	5.0±0.2 0.5 9.6	0.6±0.03 0.1 12.0	7.0±0.2 0.5 6.4	10.9±0.1 0.2 2.2
Carlton 120's 120 mm filter menthol soft pack	\bar{X} s CV	6.1±0.2 0.5 7.8	0.60±0.02 0.04 6.1	5.1±0.2 0.5 9.9	0.6±0.02 0.1 8.3	7.3±0.2 0.5 7.5	10.8±0.1 0.3 2.5
Century 25's (25) king size filter soft pack	\bar{X} s CV	14.8±0.3 0.8 5.1	0.95±0.02 0.05 4.8	17.0±0.4 0.9 5.1	2.8±0.2 0.5 17.5	18.5±0.6 1.2 6.7	7.8±0.1 0.3 4.0
Century 25's 100's (25) 100 mm filter soft pack	\bar{X} s CV	17.0±0.4 0.9 5.1	1.10±0.03 0.06 5.6	20.7±0.5 1.0 4.9	2.6±0.2 0.4 13.7	20.8±0.6 1.2 6.0	9.2±0.1 0.3 2.8
Century 25's Lights (25) king size filter soft pack	\bar{X} s CV	9.7±0.2 0.6 5.7	0.68±0.01 0.03 4.9	11.9±0.2 0.5 4.3	1.2±0.1 0.1 11.4	11.6±0.3 0.7 6.1	7.9±0.1 0.2 2.6
Century 25's Lights 100's 100 mm filter soft pack	\bar{X} s CV	11.8±0.2 0.4 3.2	0.85±0.01 0.03 3.9	13.7±0.4 0.8 5.7	1.3±0.1 0.1 10.6	14.0±0.2 0.5 3.6	9.3±0.2 0.4 3.9
Century 25's Menthol Lights 100's 100mm filter menthol soft pack	\bar{X} s CV	11.9±0.3 0.7 5.6	0.84±0.02 0.04 4.8	13.6±0.3 0.7 5.0	1.3±0.1 0.1 10.0	14.0±0.4 0.8 5.7	9.3±0.1 0.3 3.2
Chesterfield regular size non-filter soft pack	\bar{X} s CV	20.5±0.5 1.1 5.3	1.30±0.03 0.07 5.4	13.2±0.3 0.7 5.4	3.5±0.1 0.3 7.9	25.2±0.6 1.3 5.2	7.1±0.2 0.4 5.8
Chesterfield king size non-filter soft pack	\bar{X} s CV	24.7±0.5 1.0 4.1	1.69±0.04 0.08 5.0	15.7±0.3 0.7 4.4	3.9±0.2 0.5 12.6	30.2±0.7 1.5 5.1	9.2±0.2 0.4 4.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Doral Full Flavor king size filter hard pack	\bar{X} s CV	15.2±0.3 0.6 4.3	0.80±0.02 0.04 4.7	18.1±0.5 1.0 5.7	4.2±0.3 0.7 17.0	20.2±0.6 1.3 6.4	7.0±0.1 0.2 3.3
Doral Full Flavor king size filter soft pack	\bar{X} s CV	17.8±0.2 0.4 2.4	0.91±0.01 0.03 3.3	19.5±0.4 0.9 4.9	4.5±0.2 0.4 8.8	23.2±0.3 0.7 3.1	7.7±0.2 0.4 4.9
Doral Full Flavor 100's 100 mm filter soft pack	\bar{X} s CV	14.2±0.2 0.4 2.8	0.81±0.02 0.04 4.6	16.6±0.3 0.7 4.2	2.2±0.1 0.2 8.5	17.2±0.3 0.6 3.4	8.0±0.1 0.2 2.4
Doral Filter Lights king size filter soft pack	\bar{X} s CV	12.3±0.3 0.6 4.7	0.66±0.02 0.05 7.0	15.0±0.4 0.9 6.1	2.6±0.2 0.4 16.7	15.5±0.4 1.0 6.5	6.6±0.1 0.2 3.2
Doral Menthol Filter Lights king size filter menthol soft pack	\bar{X} s CV	11.7±0.2 0.5 4.0	0.62±0.02 0.04 6.0	14.1±0.3 0.7 5.0	2.2±0.1 0.3 11.8	14.5±0.3 0.7 4.9	6.2±0.1 0.2 3.9
Doral 100's Filter Lights 100 mm filter soft pack	\bar{X} s CV	12.0±0.2 0.4 3.3	0.72±0.02 0.04 5.3	13.7±0.3 0.7 5.1	1.5±0.1 0.2 11.3	14.2±0.2 0.5 3.7	8.3±0.1 0.3 3.1
Doral Menthol Lights 100's 100 mm filter menthol soft pack	\bar{X} s CV	12.1±0.2 0.5 4.3	0.72±0.02 0.04 5.8	13.7±0.3 0.7 5.2	1.4±0.1 0.1 9.9	14.2±0.3 0.7 4.7	8.0±0.1 0.3 3.5
Doral Ultra Lights 100's 100 mm filter soft pack	\bar{X} s CV	6.8±0.2 0.5 6.7	0.46±0.02 0.03 7.4	11.7±0.4 0.9 7.5	0.7±0.03 0.1 9.5	8.0±0.2 0.5 6.7	9.5±0.1 0.3 3.1
Eli Cutter king size filter soft pack	\bar{X} s CV	16.1±0.2 0.5 3.3	1.10±0.03 0.06 5.6	15.4±0.2 0.5 3.4	2.9±0.2 0.3 11.8	20.1±0.4 0.9 4.3	8.7±0.1 0.3 3.3

PM3000762857

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Eli Cutter Lights king size filter soft pack	\bar{X} s CV	12.1±0.3 0.6 5.0	0.93±0.02 0.04 4.7	13.4±0.3 0.6 4.7	1.4±0.1 0.2 13.2	14.5±0.4 0.8 5.6	8.6±0.1 0.3 3.0
English Ovals king size non-filter hard pack	\bar{X} s CV	24.2±0.6 1.3 5.2	1.84±0.05 0.12 6.5	15.3±0.4 0.8 5.4	3.2±0.2 0.4 13.8	29.3±0.8 1.8 6.1	10.5±0.2 0.4 4.1
Eve Slim Lights 100's 100 mm filter hard pack	\bar{X} s CV	12.8±0.2 0.4 3.4	1.04±0.02 0.04 4.0	11.1±0.2 0.5 4.7	2.3±0.1 0.3 14.6	16.1±0.3 0.7 4.5	7.9±0.2 0.4 4.5
Eve Slim Lights 100's 100 mm filter menthol hard pack	\bar{X} s CV	12.8±0.3 0.6 4.6	1.03±0.02 0.05 5.1	10.9±0.3 0.6 5.8	2.3±0.2 0.4 18.1	16.2±0.5 1.0 6.3	7.8±0.1 0.3 3.4
Eve Lights 120's 120 mm filter hard pack	\bar{X} s CV	12.3±0.3 0.6 4.7	1.07±0.03 0.07 6.8	10.7±0.4 0.9 8.2	1.2±0.1 0.1 9.8	14.5±0.3 0.7 5.0	13.5±0.2 0.4 3.2
Eve Lights 120's 120 mm filter menthol hard pack	\bar{X} s CV	12.5±0.4 0.9 6.9	1.11±0.03 0.06 5.7	10.8±0.4 1.0 8.9	1.2±0.1 0.1 10.5	14.9±0.5 1.0 6.9	13.7±0.1 0.3 2.4
Falcon Lights king size filter soft pack	\bar{X} s CV	11.1±0.2 0.4 4.0	0.77±0.02 0.04 5.5	10.9±0.2 0.5 4.2	1.3±0.05 0.1 8.1	13.2±0.2 0.6 4.2	7.4±0.1 0.2 2.2
Falcon Lights king size filter menthol soft pack	\bar{X} s CV	10.5±0.3 0.7 6.7	0.78±0.02 0.05 5.8	12.1±0.4 1.0 8.2	1.4±0.2 0.3 24.3	12.6±0.5 1.1 8.4	6.5±0.1 0.3 4.5
Falcon Lights 100's 100 mm filter soft pack	\bar{X} s CV	12.6±0.2 0.5 4.0	0.87±0.02 0.04 5.0	15.2±0.4 0.8 5.5	1.4±0.1 0.1 9.6	14.9±0.3 0.6 4.4	8.7±0.1 0.3 3.0

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Falcon Lights 100's 100 mm filter menthol soft pack	\bar{X} s CV	8.5±0.2 0.5 5.5	0.68±0.02 0.04 5.7	10.5±0.3 0.8 7.3	0.8±0.04 0.1 10.9	10.0±0.3 0.6 5.8	8.2±0.1 0.3 3.3
Fiesta king size filter soft pack	\bar{X} s CV	16.1±0.2 0.5 3.1	0.71±0.01 0.03 4.1	18.4±0.3 0.7 3.7	4.0±0.2 0.5 12.9	20.9±0.4 0.9 4.2	7.4±0.1 0.3 3.5
Herbert Tareyton king size non-filter soft pack	\bar{X} s CV	25.0±0.5 1.1 4.6	1.57±0.03 0.08 4.9	17.8±0.3 0.6 3.6	3.8±0.2 0.3 8.8	30.4±0.6 1.4 4.5	9.1±0.2 0.4 4.8
Hi-Lite 100 mm filter hard pack	\bar{X} s CV	13.8±0.2 0.5 3.9	1.01±0.02 0.04 4.1	14.5±0.4 1.0 6.7	1.7±0.1 0.1 8.4	16.4±0.3 0.7 4.2	10.2±0.2 0.4 3.6
Kent Golden Lights king size filter hard pack	\bar{X} s CV	9.6±0.3 0.6 6.7	0.84±0.02 0.05 6.4	10.5±0.4 1.0 9.3	1.3±0.1 0.2 16.7	11.8±0.4 0.9 7.6	6.9±0.1 0.1 2.2
Kent Golden Lights king size filter soft pack	\bar{X} s CV	8.7±0.3 0.7 7.5	0.79±0.02 0.05 6.7	9.4±0.5 1.0 11.2	0.9±0.1 0.1 13.4	10.5±0.4 0.8 7.9	7.3±0.1 0.3 4.1
Kent Golden Lights king size filter menthol soft pack	\bar{X} s CV	8.0±0.2 0.5 6.6	0.73±0.02 0.05 6.6	8.8±0.4 0.8 9.3	0.8±0.04 0.1 10.2	9.6±0.3 0.7 6.8	7.3±0.1 0.2 3.0
Kent Golden Lights 100s 100 mm filter hard pack	\bar{X} s CV	9.9±0.3 0.7 6.8	0.91±0.02 0.05 5.4	10.6±0.5 1.1 10.3	1.0±0.04 0.1 9.0	11.9±0.4 0.8 6.7	9.2±0.1 0.2 2.2
Kent Golden Lights 100s 100 mm filter soft pack	\bar{X} s CV	10.3±0.4 0.8 7.7	0.94±0.03 0.07 7.1	11.2±0.4 1.0 8.8	1.1±0.1 0.1 10.7	12.3±0.4 1.0 7.9	9.2±0.1 0.3 3.5

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/clg	"Nicotine" mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Kent Golden Lights 100s 100 mm filter menthol soft pack	\bar{X} s CV	9.2±0.3 0.6 6.9	0.86±0.02 0.05 5.9	9.8±0.4 0.8 8.3	0.9±0.1 0.1 13.5	11.0±0.4 0.8 7.3	9.3±0.1 0.2 2.1
Kent king size filter hard pack	\bar{X} s CV	11.5±0.3 0.8 6.7	0.87±0.02 0.05 6.3	12.8±0.4 0.8 6.3	1.8±0.1 0.3 14.2	14.2±0.5 1.0 7.3	7.8±0.1 0.3 3.9
Kent king size filter soft pack	\bar{X} s CV	12.3±0.4 0.8 6.6	0.93±0.03 0.06 6.1	13.4±0.4 0.9 7.0	2.0±0.3 0.6 29.8	15.2±0.6 1.4 9.4	8.4±0.2 0.4 5.1
Kent 100s 100 mm filter soft pack	\bar{X} s CV	13.4±0.2 0.5 4.0	1.04±0.02 0.04 4.2	13.8±0.3 0.7 5.4	1.6±0.1 0.2 14.3	16.0±0.3 0.8 4.8	9.4±0.2 0.4 4.5
Kent 100s 100 mm filter menthol soft pack	\bar{X} s CV	13.6±0.3 0.6 4.5	1.00±0.03 0.06 6.1	14.4±0.3 0.6 4.4	1.6±0.1 0.1 7.6	16.2±0.3 0.8 4.7	9.1±0.1 0.3 3.0
Kent III king size filter soft pack	\bar{X} s CV	3.7±0.2 0.4 11.3	0.39±0.02 0.05 11.7	4.4±0.3 0.6 13.4	0.4±0.03 0.1 14.0	4.5±0.2 0.5 11.2	7.2±0.1 0.3 4.3
Kent III 100s 100 mm filter hard pack	\bar{X} s CV	4.9±0.2 0.5 9.8	0.48±0.02 0.04 7.7	6.3±0.3 0.7 10.3	0.5±0.02 0.1 11.0	5.9±0.2 0.6 9.4	8.7±0.1 0.3 3.8
Kent III 100s 100 mm filter soft pack	\bar{X} s CV	5.3±0.3 0.6 11.0	0.52±0.02 0.05 8.9	7.1±0.4 0.9 13.3	0.5±0.03 0.1 12.4	6.4±0.3 0.7 10.6	8.8±0.1 0.3 3.2
Kim 25's 100 mm filter hard pack	\bar{X} s CV	10.9±0.3 0.6 5.6	0.87±0.01 0.03 3.7	11.6±0.4 0.9 7.7	1.3±0.1 0.3 21.1	13.1±0.4 0.9 6.7	9.4±0.1 0.2 2.6

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**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kim 25's 100 mm filter menthol hard pack	\bar{X}	9.3±0.2	0.78±0.02	9.9±0.2	1.1±0.04	11.2±0.2	8.9±0.1
	s	0.4	0.04	0.5	0.1	0.4	0.2
	CV	3.8	4.7	5.3	8.1	3.7	2.2
Kool regular size non-filter menthol soft pack	\bar{X}	21.5±0.8	1.34±0.05	14.3±0.4	3.7±0.4	26.5±1.2	6.6±0.2
	s	1.9	0.10	0.8	0.8	2.6	0.4
	CV	8.8	7.7	5.6	22.6	9.9	6.7
Kool king size filter menthol hard pack	\bar{X}	15.6±0.3	1.09±0.02	15.8±0.3	4.4±0.3	21.1±0.5	7.2±0.1
	s	0.6	0.05	0.7	0.7	1.2	0.3
	CV	3.7	4.6	4.5	15.3	5.5	3.5
Kool king size filter menthol soft pack	\bar{X}	16.9±0.4	1.18±0.03	16.5±0.4	4.1±0.3	22.2±0.7	7.5±0.2
	s	0.9	0.07	0.9	0.6	1.5	0.3
	CV	5.2	6.1	5.2	14.8	6.7	4.6
Kool Super Longs 100's 100 mm filter menthol soft pack	\bar{X}	16.2±0.2	1.23±0.03	16.3±0.3	2.6±0.1	20.0±0.3	8.7±0.1
	s	0.5	0.06	0.7	0.3	0.8	0.3
	CV	3.3	5.2	4.1	10.5	3.9	3.5
Kool Lights king size filter menthol soft pack	\bar{X}	8.5±0.3	0.70±0.02	9.2±0.3	0.9±0.05	10.1±0.3	7.4±0.1
	s	0.6	0.04	0.7	0.1	0.7	0.2
	CV	7.1	5.1	7.2	11.4	7.2	2.7
Kool Lights 100's 100 mm filter menthol soft pack	\bar{X}	8.7±0.5	0.73±0.03	9.8±0.5	0.8±0.1	10.3±0.6	9.2±0.1
	s	1.0	0.07	1.0	0.2	1.2	0.3
	CV	11.6	9.6	10.5	22.7	12.1	3.3
Kool Milds king size filter menthol hard pack	\bar{X}	11.5±0.3	0.86±0.02	11.1±0.3	1.6±0.2	13.9±0.5	7.7±0.1
	s	0.7	0.04	0.7	0.3	1.0	0.3
	CV	5.9	4.5	6.3	20.6	7.3	4.2
Kool Milds king size filter menthol soft pack	\bar{X}	11.9±0.3	0.92±0.02	12.6±0.3	1.7±0.1	14.6±0.4	7.5±0.2
	s	0.6	0.05	0.7	0.2	0.9	0.5
	CV	5.3	5.5	5.5	14.2	6.0	6.6

PM3000762861

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kool Milds 100's 100 mm filter menthol soft pack	\bar{X}	11.5±0.2	0.92±0.02	12.2±0.2	1.2±0.03	13.6±0.3	8.7±0.1
	s	0.5	0.04	0.5	0.1	0.6	0.3
	CV	4.2	4.5	4.2	6.2	4.1	3.2
Kool Ultra king size filter menthol soft pack	\bar{X}	3.0±0.3	0.28±0.03	3.7±0.4	0.3±0.03	3.6±0.3	8.1±0.1
	s	0.7	0.06	0.9	0.1	0.8	0.3
	CV	21.7	22.1	25.9	24.5	21.7	3.9
Kool Ultra 100's 100 mm filter menthol soft pack	\bar{X}	5.5±0.1	0.49±0.01	6.1±0.3	0.5±0.03	6.5±0.1	9.4±0.2
	s	0.3	0.03	0.6	0.1	0.3	0.4
	CV	4.8	6.6	9.6	10.6	5.0	4.3
L & M king size filter hard pack	\bar{X}	13.9±0.3	1.09±0.02	13.3±0.3	3.5±0.3	18.5±0.5	7.4±0.1
	s	0.6	0.05	0.8	0.6	1.2	0.2
	CV	4.3	4.5	5.7	18.5	6.3	3.1
L & M king size filter soft pack	\bar{X}	13.4±0.2	1.04±0.02	12.9±0.2	2.6±0.2	17.0±0.4	7.4±0.1
	s	0.4	0.04	0.5	0.4	0.8	0.2
	CV	3.3	4.0	3.9	15.8	4.7	3.0
L & M Super 100 100 mm filter soft pack	\bar{X}	13.8±0.2	1.09±0.03	13.9±0.3	2.1±0.1	16.9±0.4	7.9±0.1
	s	0.5	0.06	0.8	0.3	0.8	0.2
	CV	4.0	5.6	5.5	13.2	5.0	2.9
L & M Long Lights 100 mm filter soft pack	\bar{X}	7.6±0.2	0.79±0.02	6.2±0.2	0.6±0.03	9.1±0.3	9.8±0.2
	s	0.5	0.05	0.5	0.1	0.6	0.4
	CV	6.1	6.7	7.7	9.8	6.2	4.4
L & M 30's Lights 100's 100 mm filter soft pack	\bar{X}	12.8±0.2	1.08±0.02	10.7±0.3	2.3±0.2	16.2±0.4	8.1±0.1
	s	0.5	0.04	0.6	0.4	0.9	0.2
	CV	4.2	3.7	5.3	16.3	5.4	3.0
Lark king size filter soft pack	\bar{X}	13.3±0.1	1.05±0.02	12.2±0.3	2.8±0.2	17.1±0.3	7.2±0.1
	s	0.3	0.05	0.7	0.4	0.6	0.2
	CV	2.2	4.9	5.4	13.0	3.6	3.3

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Lark 100's	\bar{X}	14.8±0.3	1.20±0.03	14.5±0.4	2.6±0.2	18.6±0.4	8.8±0.2
100 mm filter	s	0.7	0.07	0.8	0.3	1.0	0.4
soft pack	CV	4.4	5.5	5.5	13.6	5.4	4.6
Lark Lights	\bar{X}	13.1±0.2	1.01±0.02	12.8±0.4	3.0±0.2	17.1±0.4	6.8±0.1
king size filter	s	0.5	0.04	0.8	0.5	1.0	0.2
soft pack	CV	3.7	3.8	6.2	15.8	5.6	2.7
Lark Light 100's	\bar{X}	13.8±0.3	1.09±0.02	14.1±0.4	2.4±0.1	17.3±0.4	8.0±0.1
100 mm filter	s	0.6	0.05	0.8	0.3	0.9	0.2
soft pack	CV	4.3	4.5	5.9	11.1	5.0	3.1
Lucky Strike	\bar{X}	24.3±0.4	1.50±0.02	17.0±0.4	4.3±0.1	30.1±0.5	7.9±0.1
regular size non-filter	s	1.0	0.05	0.8	0.3	1.1	0.3
soft pack	CV	3.9	3.6	4.6	7.4	3.6	3.6
Lucky Strike	\bar{X}	11.7±0.2	0.88±0.02	12.6±0.3	1.4±0.1	14.0±0.3	8.0±0.1
king size filter	s	0.5	0.04	0.7	0.1	0.7	0.3
hard pack	CV	4.6	5.0	5.4	9.7	4.9	3.9
Lucky Strike	\bar{X}	11.7±0.2	0.87±0.02	12.4±0.4	1.4±0.1	14.0±0.3	8.0±0.2
king size filter	s	0.6	0.04	0.9	0.2	0.7	0.5
soft pack	CV	4.8	5.0	7.5	11.8	5.3	5.9
Lucky Strike Filters 100's	\bar{X}	12.0±0.2	0.96±0.02	12.5±0.3	1.2±0.1	14.1±0.3	10.6±0.1
100 mm filter	s	0.5	0.04	0.6	0.1	0.6	0.3
soft pack	CV	3.8	4.5	4.8	11.0	4.3	2.6
Lucky Strike Menthol 100's	\bar{X}	11.6±0.3	0.92±0.02	12.3±0.3	1.1±0.1	13.7±0.3	10.3±0.1
100 mm filter	s	0.6	0.05	0.7	0.1	0.7	0.3
soft pack	CV	4.9	5.4	5.7	10.1	5.2	3.3
Lucky Strike Lights	\bar{X}	8.1±0.2	0.65±0.01	9.9±0.3	0.9±0.04	9.6±0.2	7.6±0.1
king size filter	s	0.3	0.03	0.6	0.1	0.4	0.3
soft pack	CV	4.2	5.1	5.9	9.9	4.3	3.6

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Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/clg	"Nicotine" mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Lucky Strike Lights 100's 100 mm filter soft pack	\bar{X} s CV	9.2±0.2 0.5 5.1	0.75±0.02 0.04 5.8	10.3±0.3 0.7 6.7	0.9±0.03 0.1 8.4	10.8±0.3 0.6 5.2	10.1±0.2 0.4 3.5
Magna king size filter hard pack	\bar{X} s CV	14.1±0.4 0.9 6.2	0.89±0.02 0.05 5.4	15.9±0.5 1.1 6.6	3.5±0.4 0.9 27.0	18.5±0.8 1.8 9.5	6.5±0.1 0.2 3.6
Magna king size filter soft pack	\bar{X} s CV	14.2±0.3 0.6 4.0	0.93±0.02 0.04 3.9	14.9±0.3 0.6 4.0	2.7±0.1 0.3 12.3	17.8±0.4 0.9 5.0	7.1±0.1 0.2 2.1
Magna Lites king size filter soft pack	\bar{X} s CV	9.0±0.1 0.3 3.6	0.62±0.01 0.03 4.8	13.2±0.2 0.5 4.0	1.0±0.04 0.1 8.0	10.6±0.2 0.4 3.8	7.4±0.1 0.2 2.6
Malibu 100's 100 mm filter soft pack	\bar{X} s CV	12.0±0.5 1.2 9.7	0.96±0.04 0.08 8.6	12.9±0.5 1.2 9.2	1.2±0.1 0.3 24.9	14.2±0.7 1.5 10.5	10.4±0.1 0.2 1.9
Malibu Menthol 100's 100 mm filter menthol soft pack	\bar{X} s CV	11.5±0.2 0.6 4.8	0.94±0.02 0.05 5.3	11.7±0.4 0.9 7.3	1.1±0.05 0.1 9.7	13.5±0.3 0.7 5.1	10.6±0.1 0.3 3.1
Malibu Light's 100's 100 mm filter soft pack	\bar{X} s CV	8.7±0.2 0.4 4.4	0.75±0.02 0.03 4.5	10.0±0.3 0.6 5.8	0.8±0.02 0.1 7.0	10.3±0.2 0.5 4.5	10.6±0.2 0.4 3.7
Marlboro king size filter hard pack	\bar{X} s CV	16.3±0.3 0.7 4.3	1.08±0.02 0.05 4.5	14.9±0.4 0.8 5.3	3.5±0.2 0.5 15.4	20.9±0.5 1.2 5.7	8.4±0.1 0.3 3.3
Marlboro king size filter soft pack	\bar{X} s CV	15.8±0.2 0.5 3.2	1.11±0.02 0.04 3.8	15.8±0.3 0.8 5.0	3.2 3.3±0.2 0.4 12.5	20.4 21.2±0.4 0.9 4.4	8.9 9.0±0.1 0.2 2.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro king size filter menthol soft pack	\bar{X} s CV	16.8±0.2 0.5 3.0	1.09±0.01 0.03 3.0	15.6±0.3 0.6 3.6	3.3±0.2 0.3 10.5	21.2±0.4 0.8 3.8	9.0±0.1 0.2 2.6
Marlboro 100's 100 mm filter hard pack	\bar{X} s CV	16.6±0.3 0.6 3.5	1.16±0.02 0.04 3.6	16.5±0.5 1.1 6.4	2.3±0.1 0.3 11.7	20.0±0.4 0.9 4.2	10.2±0.1 0.3 3.2
Marlboro 100's 100 mm filter soft pack	\bar{X} s CV	16.9±0.3 0.7 3.9	1.17±0.02 0.05 3.9	16.6±0.5 1.1 6.5	2.3±0.1 0.2 10.6	20.4±0.4 0.9 4.4	10.6±0.1 0.3 2.7
Marlboro 25's king size filter soft pack	\bar{X} s CV	16.9±0.4 0.8 5.0	1.07±0.02 0.05 5.1	15.6±0.4 0.9 5.5	3.5±0.3 0.6 18.0	21.5±0.6 1.4 6.5	9.1±0.1 0.3 3.3
Marlboro Lights king size filter hard pack	\bar{X} s CV	10.7±0.2 0.3 3.3	0.77±0.01 0.03 4.3	11.9±0.2 0.5 4.1	1.3±0.04 0.1 7.4	12.8±0.2 0.4 3.5	8.2±0.1 0.2 2.4
Marlboro Lights king size filter soft pack	\bar{X} s CV	11.2±0.2 0.5 4.2	0.80±0.01 0.03 3.8	12.1±0.4 0.9 7.7	1.4±0.1 0.3 18.7	13.4±0.3 0.7 5.4	8.4±0.1 0.3 3.5
Marlboro Lights king size filter menthol soft pack	\bar{X} s CV	11.0±0.2 0.5 4.6	0.79±0.02 0.04 4.9	12.1±0.3 0.6 4.7	1.4±0.1 0.2 11.6	13.2±0.3 0.7 5.0	7.9±0.2 0.4 4.7
Marlboro Lights 100's 100 mm filter hard pack	\bar{X} s CV	10.9±0.2 0.4 3.8	0.82±0.01 0.03 4.1	12.9±0.4 0.8 6.3	1.2±0.03 0.1 5.8	12.8±0.2 0.5 3.7	10.1±0.1 0.3 2.7
Marlboro Lights 100's 100 mm filter soft pack	\bar{X} s CV	11.2±0.2 0.4 3.6	0.83±0.02 0.03 4.2	13.2±0.3 0.6 4.9	1.2±0.04 0.1 7.3	13.3±0.2 0.5 3.7	10.2±0.1 0.3 3.1

PM3000762865

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro Lights 100's 100 mm filter menthol soft pack	\bar{X}	10.0±0.2	0.78±0.02	11.7±0.2	1.0±0.03	11.8±0.3	9.2±0.1
	s	0.5	0.04	0.6	0.1	0.6	0.2
	CV	5.0	4.8	4.7	7.3	5.0	2.5
Marlboro Lights 25's king size filter soft pack	\bar{X}	11.3±0.2	0.79±0.02	12.2±0.3	1.4±0.1	13.4±0.2	8.6±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	3.2	4.4	5.6	8.6	3.5	2.0
Marlboro 100 Red 100 mm filter hard pack	\bar{X}	16.8±0.2	1.19±0.02	17.0±0.3	2.2±0.1	20.2±0.3	10.4±0.1
	s	0.4	0.03	0.7	0.2	0.6	0.3
	CV	2.6	2.9	4.3	9.2	3.1	3.1
Marlboro 100 Red 100 mm filter soft pack	\bar{X}	16.7±0.3	1.18±0.02	16.0±0.3	2.3±0.1	20.1±0.4	10.4±0.1
	s	0.6	0.04	0.7	0.3	1.0	0.3
	CV	3.8	3.4	4.1	14.4	4.8	2.4
Max 120s 120 mm filter soft pack	\bar{X}	17.7±0.3	1.45±0.03	16.7±0.5	2.8±0.2	21.9±0.5	10.9±0.2
	s	0.7	0.08	1.0	0.4	1.2	0.4
	CV	4.2	5.4	6.1	15.9	5.5	4.1
Max 120s 120 mm filter menthol soft pack	\bar{X}	18.2±0.4	1.51±0.02	16.8±0.5	3.0±0.2	22.7±0.6	10.8±0.2
	s	0.9	0.05	1.2	0.5	1.4	0.4
	CV	5.0	3.6	7.0	17.7	6.3	3.4
Merit king size filter hard pack	\bar{X}	8.2±0.2	0.63±0.01	10.1±0.3	0.9±0.03	9.7±0.2	7.9±0.1
	s	0.4	0.03	0.6	0.1	0.4	0.2
	CV	4.8	4.8	6.0	6.8	4.6	2.6
Merit king size filter soft pack	\bar{X}	8.2±0.2	0.62±0.01	10.0±0.3	0.9±0.04	9.8±0.2	8.1±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	4.6	4.8	6.6	9.0	4.8	2.9
Merit king size filter menthol soft pack	\bar{X}	7.8±0.2	0.59±0.01	9.7±0.2	0.9±0.04	9.3±0.3	8.2±0.1
	s	0.5	0.03	0.5	0.1	0.6	0.3
	CV	6.4	5.5	4.9	10.7	6.5	3.1

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**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Merit 100's	\bar{X}	9.9±0.2	0.78±0.02	11.8±0.3	1.1±0.04	11.7±0.2	9.8±0.1
100 mm filter	s	0.4	0.04	0.6	0.1	0.5	0.2
soft pack	CV	4.0	5.6	5.1	7.3	4.2	2.4
Merit 100's	\bar{X}	10.0±0.2	0.76±0.02	11.6±0.2	1.1±0.05	11.8±0.3	10.2±0.1
100 mm filter menthol	s	0.5	0.04	0.5	0.1	0.6	0.3
soft pack	CV	5.1	4.6	4.7	9.8	5.2	2.7
Merit Ultra Lights	\bar{X}	5.2±0.2	0.46±0.02	6.7±0.3	0.5±0.02	6.2±0.2	8.1±0.1
king size filter	s	0.4	0.04	0.6	0.1	0.5	0.3
soft pack	CV	7.3	8.6	9.4	11.5	7.5	3.7
Merit Ultra Lights	\bar{X}	4.7±0.1	0.41±0.01	5.8±0.2	0.4±0.02	5.5±0.2	8.3±0.1
king size filter menthol	s	0.3	0.03	0.5	0.04	0.4	0.3
soft pack	CV	6.8	6.7	8.8	9.5	6.5	3.3
Merit Ultra Lights 100's	\bar{X}	5.6±0.1	0.50±0.01	7.5±0.2	0.5±0.02	6.6±0.1	9.7±0.1
100 mm filter	s	0.2	0.03	0.4	0.04	0.2	0.2
soft pack	CV	3.8	5.1	4.9	7.3	3.6	2.2
Merit Ultra Lights 100's	\bar{X}	5.4±0.1	0.49±0.01	7.4±0.2	0.5±0.03	6.4±0.2	10.2±0.2
100 mm filter menthol	s	0.3	0.03	0.3	0.1	0.4	0.4
soft pack	CV	6.1	6.1	4.7	12.8	6.3	3.6
More 120s	\bar{X}	16.6±0.3	1.15±0.02	21.1±0.5	1.8±0.1	19.6±0.4	12.5±0.2
120 mm filter	s	0.6	0.04	1.1	0.2	0.8	0.3
soft pack	CV	3.7	3.6	5.1	9.3	4.0	2.7
More 120s	\bar{X}	16.9±0.5	1.25±0.03	21.3±0.7	1.9±0.1	20.1±0.6	12.3±0.2
120 mm filter menthol	s	1.0	0.07	1.5	0.2	1.3	0.5
soft pack	CV	6.1	5.5	6.9	11.8	6.5	3.7
More Lights 100s	\bar{X}	9.5±0.3	0.74±0.02	9.8±0.3	1.0±0.1	11.2±0.4	9.8±0.1
100 mm filter	s	0.6	0.05	0.7	0.1	0.8	0.3
hard pack	CV	6.7	6.8	7.3	11.0	7.0	2.8

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
More Lights 100s 100 mm filter menthol hard pack	\bar{X}	8.9±0.2	0.66±0.01	9.8±0.4	0.9±0.1	10.4±0.3	9.4±0.1
	s	0.5	0.03	0.8	0.1	0.7	0.3
	CV	6.2	4.1	8.3	13.1	6.4	2.8
More Lights 120s 120 mm filter soft pack	\bar{X}	12.0±0.3	0.89±0.02	19.1±0.4	1.2±0.04	14.1±0.3	12.6±0.2
	s	0.7	0.04	1.0	0.1	0.8	0.4
	CV	5.6	4.1	5.2	7.1	5.4	3.2
More Lights 120s 120 mm filter menthol soft pack	\bar{X}	11.8±0.2	0.91±0.02	19.2±0.5	1.2±0.04	13.9±0.3	12.7±0.2
	s	0.6	0.05	1.1	0.1	0.7	0.5
	CV	4.7	5.0	5.6	7.8	4.9	3.9
Newport king size filter menthol hard pack	\bar{X}	16.6±0.3	1.28±0.02	16.9±0.4	4.5±0.3	22.4±0.5	7.7±0.1
	s	0.6	0.05	1.0	0.6	1.2	0.3
	CV	3.4	3.7	5.8	14.4	5.3	3.8
Newport king size filter menthol soft pack	\bar{X}	17.3±0.2	1.33±0.02	17.7±0.3	4.4±0.2	23.0±0.4	8.1±0.2
	s	0.5	0.04	0.6	0.5	0.9	0.3
	CV	3.1	2.8	3.2	10.5	4.1	4.2
Newport 100's 100 mm filter menthol hard pack	\bar{X}	19.3±0.3	1.53±0.03	19.0±0.3	3.1±0.1	23.9±0.4	9.0±0.1
	s	0.6	0.06	0.7	0.3	0.8	0.2
	CV	3.2	3.7	3.8	10.4	3.5	2.3
Newport 100's 100 mm filter menthol soft pack	\bar{X}	19.4±0.3	1.53±0.03	18.9±0.4	3.2±0.1	24.2±0.4	9.0±0.1
	s	0.7	0.06	0.9	0.3	0.9	0.2
	CV	3.4	3.8	4.7	8.9	3.9	2.7
Newport (25) king size filter menthol soft pack	\bar{X}	16.8±0.3	1.29±0.03	17.0±0.4	4.4±0.3	22.5±0.5	7.9±0.1
	s	0.6	0.07	1.0	0.6	1.2	0.3
	CV	3.7	5.3	5.9	14.9	5.4	4.0
Newport 100's (25) 100 mm filter menthol soft pack	\bar{X}	19.6±0.3	1.55±0.03	19.0±0.4	3.4±0.1	24.5±0.4	9.1±0.1
	s	0.6	0.06	0.8	0.3	0.8	0.2
	CV	3.0	3.8	4.4	8.6	3.4	2.8

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Newport Lights king size filter menthol hard pack	\bar{X} s CV	9.2±0.2 0.4 4.7	0.84±0.02 0.04 5.0	10.1±0.3 0.8 7.5	1.1±0.1 0.1 11.7	11.2±0.3 0.6 5.2	6.9±0.1 0.2 3.2
Newport Lights king size filter menthol soft pack	\bar{X} s CV	9.0±0.2 0.5 5.2	0.82±0.02 0.04 5.1	9.9±0.3 0.7 6.6	1.0±0.1 0.2 15.2	10.9±0.3 0.6 5.9	7.4±0.1 0.3 4.0
Newport Lights 100's 100 mm filter menthol hard pack	\bar{X} s CV	10.2±0.3 0.6 6.1	0.97±0.03 0.06 6.0	10.8±0.4 1.0 8.8	1.1±0.1 0.1 11.8	12.3±0.3 0.8 6.3	9.4±0.1 0.2 2.4
Newport Lights 100's 100 mm filter menthol soft pack	\bar{X} s CV	9.4±0.2 0.5 5.3	0.87±0.02 0.05 5.7	9.9±0.3 0.7 7.3	1.0±0.04 0.1 9.8	11.3±0.3 0.6 5.6	9.3±0.1 0.3 2.8
Now king size filter hard pack	\bar{X} s CV	< 0.5	< 0.05	< 0.5		< 0.5	6.6±0.2 0.4 6.4
Now king size filter soft pack	\bar{X} s CV	1.0±0.1 0.1 14.0	0.13±0.01 0.02 11.7	2.0±0.1 0.1 7.1	0.1±0.03 0.1 65.0	1.3±0.1 0.2 13.0	6.9±0.2 0.3 5.0
Now king size filter menthol soft pack	\bar{X} s CV	1.1±0.1 0.2 15.4	0.13±0.01 0.02 13.1	2.2±0.1 0.2 10.4	0.1±0.01 0.03 24.1	1.3±0.1 0.2 14.5	6.9±0.1 0.3 3.9
Now 100s 100 mm filter soft pack	\bar{X} s CV	2.1±0.1 0.3 12.3	0.23±0.01 0.03 12.7	3.4±0.2 0.5 14.1	0.2±0.02 0.03 20.3	2.6±0.1 0.3 11.7	7.9±0.1 0.2 3.0
Now 100s 100 mm filter menthol soft pack	\bar{X} s CV	2.7±0.1 0.2 6.6	0.27±0.01 0.02 7.0	4.5±0.2 0.4 8.0	0.2±0.01 0.03 11.4	3.2±0.1 0.2 6.1	7.7±0.1 0.2 2.9

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Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Old Gold Straights king size non-filter soft pack	\bar{X}	26.9±0.4	1.91±0.03	18.8±0.3	4.9±0.2	33.7±0.5	8.9±0.1
	s	0.8	0.07	0.7	0.4	1.2	0.3
	CV	3.0	3.9	3.7	8.0	3.5	3.1
Old Gold Filters king size filter soft pack	\bar{X}	17.5±0.4	1.34±0.03	18.2±0.4	4.6±0.3	23.4±0.7	8.1±0.2
	s	0.8	0.07	1.0	0.7	1.6	0.4
	CV	4.6	5.0	5.3	16.3	6.7	4.8
Old Gold Filter 100's 100 mm filter soft pack	\bar{X}	19.7±0.3	1.52±0.03	19.5±0.4	3.4±0.1	24.6±0.4	9.0±0.1
	s	0.7	0.07	0.8	0.3	0.9	0.2
	CV	3.5	4.8	4.2	8.4	3.8	2.5
Old Gold Lights king size filter soft pack	\bar{X}	9.7±0.2	0.87±0.02	11.2±0.3	1.2±0.1	11.7±0.3	6.9±0.1
	s	0.5	0.04	0.7	0.1	0.6	0.3
	CV	4.9	4.5	6.1	10.9	5.4	4.4
Old Gold Lights 100s 100 mm filter soft pack	\bar{X}	13.0±0.2	1.02±0.02	16.7±0.3	1.7±0.1	15.7±0.3	9.0±0.1
	s	0.5	0.04	0.8	0.2	0.7	0.3
	CV	3.9	4.0	4.5	9.4	4.3	2.9
Pall Mall king size non-filter soft pack	\bar{X}	23.7±0.4	1.54±0.02	16.1±0.3	3.3±0.1	28.6±0.5	9.6±0.1
	s	0.9	0.05	0.7	0.2	1.1	0.3
	CV	3.7	3.2	4.4	7.4	3.9	3.0
Pall Mall 25's king size non-filter soft pack	\bar{X}	23.6±0.5	1.54±0.03	16.2±0.4	3.4±0.1	28.6±0.6	9.3±0.1
	s	1.1	0.07	0.8	0.3	1.4	0.3
	CV	4.5	4.7	4.9	9.8	5.0	3.1
Pall Mall 100's 100 mm filter soft pack	\bar{X}	16.7±0.4	1.24±0.02	16.8±0.5	2.7±0.2	20.7±0.6	9.6±0.1
	s	0.8	0.05	1.0	0.5	1.3	0.3
	CV	4.8	4.0	6.1	17.0	6.1	3.0
Pall Mall Unfiltered Lights king size non-filter soft pack	\bar{X}	16.2±0.9	1.10±0.04	12.0±1.0	1.7±0.2	19.0±1.1	9.2±0.2
	s	2.0	0.08	2.2	0.4	2.6	0.4
	CV	12.6	7.6	18.4	26.2	13.4	4.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Pall Mall Light 100's	\bar{X}	10.4±0.2	0.83±0.02	12.0±0.4	1.0±0.04	12.2±0.3	9.8±0.1
100 mm filter	s	0.5	0.04	0.8	0.1	0.6	0.3
soft pack	CV	5.0	4.8	6.6	8.4	5.1	3.1
Pall Mall Light 100's Low Tar	\bar{X}	13.3±0.2	1.06±0.02	12.9±0.3	2.0±0.1	16.3±0.4	8.7±0.1
100 mm filter menthol	s	0.5	0.04	0.7	0.3	0.8	0.3
soft pack	CV	3.7	3.9	5.1	15.8	4.9	2.9
Pall Mall Red	\bar{X}	13.8±0.3	1.02±0.02	12.9±0.3	2.3±0.2	17.0±0.4	9.2±0.1
king size filter	s	0.6	0.05	0.7	0.3	1.0	0.3
soft pack	CV	4.4	4.5	5.5	15.2	5.6	2.8
Pall Mall Red	\bar{X}	13.6±0.3	1.04±0.02	14.0±0.3	1.5±0.1	16.1±0.4	10.3±0.2
100 mm filter	s	0.6	0.05	0.6	0.2	0.8	0.5
soft pack	CV	4.2	4.7	4.5	13.4	5.0	4.7
Parliament Lights	\bar{X}	9.1±0.2	0.68±0.01	9.7±0.2	1.1±0.1	10.9±0.3	7.5±0.1
king size filter	s	0.5	0.03	0.5	0.1	0.6	0.2
hard pack	CV	5.3	4.0	5.4	13.7	5.8	3.1
Parliament Lights	\bar{X}	9.3±0.3	0.70±0.02	10.4±0.4	1.0±0.1	11.1±0.3	8.0±0.1
king size filter	s	0.6	0.04	0.8	0.1	0.8	0.3
soft pack	CV	6.4	5.6	8.0	13.8	6.9	3.2
Parliament Lights 100's	\bar{X}	12.4±0.2	0.95±0.02	13.1±0.4	1.4±0.1	14.8±0.3	10.0±0.1
100 mm filter	s	0.6	0.04	0.9	0.1	0.7	0.3
soft pack	CV	4.5	4.1	6.5	8.8	4.7	2.6
Philip Morris	\bar{X}	22.7±0.4	1.34±0.02	13.3±0.3	4.1±0.2	28.1±0.6	7.8±0.1
regular size non-filter	s	0.9	0.04	0.7	0.5	1.3	0.3
soft pack	CV	4.1	2.8	4.9	11.1	4.7	3.9
Philip Morris Commander	\bar{X}	27.2±0.5	1.65±0.03	16.3±0.4	4.5±0.2	33.3±0.8	9.8±0.2
king size non-filter	s	1.2	0.07	0.9	0.5	1.7	0.4
soft pack	CV	4.4	4.3	5.8	11.7	5.2	3.9

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**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Philip Morris Blues king size filter menthol soft pack	\bar{X}	16.9±0.3	1.18±0.02	16.0±0.3	4.3±0.3	22.4±0.6	7.6±0.1
	s	0.6	0.05	0.6	0.7	1.2	0.2
	CV	3.4	4.0	3.8	15.2	5.5	3.0
Philip Morris Blues 100 mm filter menthol soft pack	\bar{X}	15.5±0.2	1.15±0.02	15.6±0.4	2.3±0.1	18.9±0.3	8.5±0.1
	s	0.5	0.04	0.8	0.3	0.8	0.3
	CV	3.2	3.6	5.2	12.4	4.0	3.1
Philip Morris International 100 mm filter hard pack	\bar{X}	17.8±0.2	1.20±0.01	16.7±0.4	2.4±0.1	21.4±0.3	10.8±0.1
	s	0.4	0.03	0.9	0.2	0.7	0.3
	CV	2.5	2.7	5.3	9.8	3.1	2.7
Philip Morris International 100 mm filter menthol hard pack	\bar{X}	16.8±0.3	1.13±0.02	15.5±0.4	2.4±0.1	20.3±0.4	10.6±0.1
	s	0.6	0.04	0.9	0.3	0.9	0.3
	CV	3.8	3.3	5.6	11.8	4.5	2.4
Players regular size non-filter hard pack	\bar{X}	25.2±0.5	1.66±0.04	16.0±0.3	3.6±0.2	30.5±0.8	8.5±0.2
	s	1.2	0.08	0.7	0.5	1.7	0.4
	CV	4.6	4.9	4.7	14.3	5.6	4.4
Players king size filter hard pack	\bar{X}	11.6±0.2	0.81±0.01	12.1±0.4	1.5±0.1	14.0±0.3	8.1±0.1
	s	0.5	0.03	0.8	0.3	0.7	0.3
	CV	4.0	3.9	6.5	18.6	5.2	4.0
Players king size filter menthol hard pack	\bar{X}	11.9±0.2	0.81±0.01	12.2±0.2	1.6±0.1	14.3±0.3	8.3±0.1
	s	0.5	0.03	0.5	0.2	0.7	0.3
	CV	4.2	4.1	4.1	11.2	4.6	3.8
Players 100's 100 mm filter hard pack	\bar{X}	14.0±0.2	0.98±0.01	12.8±0.3	1.7±0.05	16.6±0.2	9.4±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.3
	CV	2.9	3.3	5.4	6.4	2.9	2.9
Players 100's 100 mm filter menthol hard pack	\bar{X}	14.4±0.3	1.00±0.02	13.0±0.4	1.8±0.1	17.2±0.4	9.3±0.1
	s	0.7	0.05	1.0	0.2	1.0	0.2
	CV	5.0	4.6	7.3	12.5	5.6	2.3

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Players Lights 25's king size filter soft pack	\bar{X}	10.2±0.2	0.72±0.01	11.2±0.3	1.2±0.04	12.0±0.3	8.1±0.1
	s	0.5	0.03	0.6	0.1	0.6	0.3
	CV	4.8	3.9	5.3	8.3	4.8	3.8
Players Lights 25's king size filter menthol soft pack	\bar{X}	10.1±0.3	0.72±0.02	11.0±0.3	1.2±0.1	12.0±0.3	8.1±0.1
	s	0.6	0.03	0.7	0.2	0.8	0.2
	CV	5.6	4.7	6.6	15.3	6.3	2.5
Players 25's Lights 100's 100 mm filter soft pack	\bar{X}	11.8±0.2	0.85±0.01	13.8±0.3	1.3±0.04	13.9±0.2	10.2±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	3.8	3.7	5.1	7.6	3.9	2.1
Players 25's Lights 100's 100 mm filter menthol soft pack	\bar{X}	11.4±0.2	0.82±0.01	13.4±0.2	1.2±0.04	13.4±0.2	10.3±0.1
	s	0.4	0.03	0.4	0.1	0.5	0.2
	CV	3.8	3.3	3.3	8.2	3.9	2.0
Raleigh king size non-filter soft pack	\bar{X}	24.0±0.4	1.38±0.03	17.0±0.4	3.8±0.2	29.2±0.6	8.4±0.1
	s	0.9	0.06	0.8	0.3	1.3	0.2
	CV	3.8	4.5	4.9	9.0	4.3	2.6
Raleigh king size filter soft pack	\bar{X}	15.0±0.2	0.96±0.02	14.5±0.3	3.6±0.2	19.6±0.3	7.5±0.1
	s	0.4	0.04	0.7	0.4	0.7	0.2
	CV	2.5	3.6	5.1	12.4	3.8	3.2
Raleigh 100's 100 mm filter soft pack	\bar{X}	15.3±0.3	0.99±0.02	16.2±0.3	2.7±0.1	18.9±0.4	8.2±0.1
	s	0.7	0.05	0.6	0.3	0.9	0.3
	CV	4.4	5.0	3.6	11.6	5.0	3.6
Raleigh Lights king size filter soft pack	\bar{X}	11.6±0.2	0.86±0.01	13.5±0.3	1.5±0.1	13.9±0.3	8.1±0.1
	s	0.5	0.03	0.7	0.2	0.7	0.3
	CV	4.5	3.8	5.4	11.6	5.0	3.2
Raleigh Lights 100's 100 mm filter soft pack	\bar{X}	11.2±0.3	0.86±0.02	13.3±0.4	1.2±0.04	13.2±0.3	9.2±0.1
	s	0.6	0.05	0.9	0.1	0.7	0.2
	CV	5.3	5.5	6.5	7.4	5.3	2.1

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Richland (25) king size filter soft pack	\bar{X}	16.6±0.3	1.16±0.03	15.7±0.3	3.3±0.3	21.1±0.6	8.6±0.1
	s	0.7	0.06	0.8	0.7	1.4	0.3
	CV	4.3	4.9	4.8	19.8	6.5	3.9
Richland (25) king size filter menthol soft pack	\bar{X}	16.4±0.3	1.09±0.02	16.1±0.3	3.9±0.3	21.4±0.6	7.3±0.1
	s	0.7	0.05	0.6	0.7	1.3	0.2
	CV	4.4	4.6	4.0	17.3	6.2	2.5
Richland (25) 100's 100 mm filter soft pack	\bar{X}	17.7±0.3	1.31±0.02	17.2±0.4	2.3±0.1	21.3±0.3	10.7±0.1
	s	0.6	0.04	0.9	0.2	0.8	0.3
	CV	3.2	3.4	5.4	9.5	3.6	2.4
Richland (25) 100's 100 mm filter menthol soft pack	\bar{X}	16.2±0.2	1.18±0.03	16.6±0.3	2.8±0.2	20.2±0.4	8.7±0.1
	s	0.5	0.06	0.7	0.4	0.9	0.2
	CV	3.4	5.3	4.1	13.4	4.6	2.0
Richland Lights (25) king size filter soft pack	\bar{X}	10.8±0.2	0.79±0.02	12.5±0.2	1.3±0.1	12.9±0.2	7.7±0.1
	s	0.4	0.04	0.5	0.1	0.5	0.3
	CV	3.7	5.3	4.3	9.0	3.7	4.2
Richland Lights (25) 100's 100 mm filter soft pack	\bar{X}	12.4±0.2	0.92±0.02	14.4±0.4	1.3±0.04	14.6±0.3	9.4±0.1
	s	0.5	0.05	0.8	0.1	0.6	0.3
	CV	4.1	5.4	5.7	6.4	4.2	3.2
Ritz 100 100 mm filter hard pack	\bar{X}	11.7±0.2	0.83±0.02	13.0±0.2	1.3±0.1	13.8±0.3	9.4±0.1
	s	0.5	0.05	0.5	0.1	0.7	0.3
	CV	4.6	6.0	4.0	9.5	4.9	3.0
Ritz 100 100 mm filter menthol hard pack	\bar{X}	11.5±0.2	0.80±0.02	11.7±0.2	1.1±0.03	13.4±0.2	9.8±0.1
	s	0.4	0.03	0.5	0.1	0.5	0.3
	CV	3.4	4.3	4.6	6.8	3.6	2.7
Salem king size filter menthol soft pack	\bar{X}	15.7±0.3	0.97±0.02	18.4±0.4	3.6±0.2	20.3±0.5	7.5±0.1
	s	0.7	0.05	0.9	0.4	1.2	0.2
	CV	4.7	4.9	4.7	12.1	5.8	2.8

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Salem 100's	\bar{X}	16.6±0.2	1.13±0.02	17.9±0.4	2.1±0.1	19.8±0.3	9.4±0.1
100 mm filter menthol	s	0.4	0.04	0.9	0.2	0.6	0.3
soft pack	CV	2.6	3.5	5.1	7.4	3.0	3.0
Salem Lights	\bar{X}	9.7±0.3	0.70±0.02	12.5±0.3	1.1±0.1	11.5±0.4	7.3±0.1
king size filter menthol	s	0.6	0.04	0.7	0.2	0.8	0.3
soft pack	CV	5.9	5.9	5.6	18.4	6.8	3.7
Salem Lights 100's	\bar{X}	10.8±0.2	0.82±0.02	11.7±0.2	1.1±0.1	12.7±0.3	9.1±0.1
100 mm filter menthol	s	0.5	0.04	0.6	0.1	0.6	0.3
hard pack	CV	4.5	4.7	4.8	12.1	5.0	2.9
Salem Lights 100's	\bar{X}	9.3±0.2	0.73±0.02	11.4±0.3	0.9±0.03	10.9±0.2	9.3±0.1
100 mm filter menthol	s	0.4	0.04	0.7	0.1	0.5	0.3
soft pack	CV	4.2	5.9	6.3	8.4	4.4	3.0
Salem Slim Lights 100's	\bar{X}	9.1±0.2	0.72±0.02	9.8±0.2	1.0±0.05	10.8±0.2	8.9±0.1
100 mm filter menthol	s	0.4	0.03	0.4	0.1	0.5	0.3
hard pack	CV	4.7	4.7	4.5	10.9	5.0	3.4
Salem Ultra Lights	\bar{X}	5.1±0.1	0.42±0.01	7.7±0.2	0.5±0.02	6.0±0.1	7.2±0.1
king size filter menthol	s	0.3	0.03	0.5	0.04	0.3	0.2
soft pack	CV	5.1	6.9	6.9	7.5	4.8	2.8
Salem Ultra Lights 100's	\bar{X}	4.7±0.1	0.43±0.02	7.4±0.2	0.4±0.02	5.6±0.2	9.8±0.1
100 mm filter menthol	s	0.3	0.04	0.5	0.04	0.4	0.2
soft pack	CV	6.8	9.6	6.7	9.7	6.7	2.4
Saratoga 120's	\bar{X}	14.4±0.3	1.04±0.02	14.5±0.4	1.6±0.1	17.0±0.4	13.0±0.1
120 mm filter	s	0.6	0.05	0.9	0.1	0.8	0.2
hard pack	CV	4.5	4.9	6.3	7.9	4.7	1.9
Saratoga 120's	\bar{X}	14.9±0.3	1.06±0.02	14.9±0.3	1.7±0.1	17.6±0.3	13.0±0.2
120 mm filter menthol	s	0.6	0.05	0.8	0.2	0.7	0.4
hard pack	CV	3.8	4.3	5.2	9.5	4.2	2.8

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Satin	\bar{X}	11.0±0.3	0.97±0.02	12.7±0.3	1.2±0.1	13.3±0.3	9.1±0.1
100 mm filter	s	0.6	0.06	0.8	0.1	0.7	0.3
soft pack	CV	5.2	5.7	6.0	9.2	5.5	3.1
Satin	\bar{X}	11.3±0.3	1.00±0.02	13.2±0.4	1.3±0.1	13.6±0.4	9.2±0.1
100 mm filter menthol	s	0.7	0.05	0.9	0.2	0.9	0.3
soft pack	CV	5.8	5.2	6.6	13.0	6.3	3.6
Silva Thins Filters	\bar{X}	10.3±0.2	0.87±0.02	11.1±0.2	1.0±0.1	12.2±0.3	9.2±0.1
100 mm filter	s	0.5	0.04	0.4	0.1	0.6	0.3
hard pack	CV	4.5	4.3	3.5	12.9	5.0	2.9
Silva Thins Menthol	\bar{X}	11.3±0.2	0.97±0.02	11.4±0.3	1.2±0.05	13.5±0.3	9.5±0.1
100 mm filter menthol	s	0.4	0.04	0.6	0.1	0.6	0.2
hard pack	CV	3.9	4.2	5.3	9.0	4.2	2.5
Silva Thins	\bar{X}	11.6±0.2	0.94±0.02	10.2±0.3	1.4±0.1	13.9±0.3	9.3±0.1
100 mm filter	s	0.5	0.04	0.6	0.2	0.7	0.3
soft pack	CV	4.5	4.7	5.9	14.3	5.3	3.2
Silva Thins Menthol	\bar{X}	12.1±0.2	1.01±0.02	10.4±0.3	1.5±0.1	14.5±0.3	9.4±0.1
100 mm filter menthol	s	0.5	0.04	0.6	0.2	0.6	0.3
soft pack	CV	3.7	3.8	5.6	10.8	4.2	3.2
Spring 100's	\bar{X}	19.4±0.2	1.56±0.02	18.5±0.3	3.3±0.1	24.2±0.3	9.2±0.1
100 mm filter menthol	s	0.5	0.05	0.8	0.3	0.7	0.3
soft pack	CV	2.4	3.2	4.1	8.4	3.0	2.7
Tall 120s	\bar{X}	19.9±0.4	1.64±0.04	20.7±0.6	2.2±0.1	23.7±0.5	15.1±0.2
120 mm filter	s	0.9	0.09	1.4	0.2	1.1	0.5
soft pack	CV	4.5	5.4	6.6	8.9	4.7	3.6
Tall 120s	\bar{X}	17.8±0.4	1.54±0.03	17.6±0.6	1.9±0.1	21.2±0.5	15.1±0.2
120 mm filter menthol	s	0.9	0.08	1.4	0.2	1.1	0.4
soft pack	CV	5.0	4.9	7.8	8.2	5.0	2.4

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Tareyton	\bar{X}	13.8±0.3	0.95±0.02	15.3±0.3	3.4±0.2	18.1±0.5	8.3±0.1
king size filter	s	0.7	0.04	0.7	0.4	1.1	0.2
soft pack	CV	5.0	4.3	4.7	12.6	5.9	2.9
Tareyton 100's	\bar{X}	13.5±0.3	0.97±0.02	16.2±0.4	2.3±0.2	16.8±0.4	9.3±0.1
100 mm filter	s	0.6	0.04	0.9	0.4	0.9	0.3
soft pack	CV	4.2	3.9	5.5	15.9	5.2	3.4
Tareyton Lights	\bar{X}	5.1±0.2	0.42±0.02	5.7±0.3	0.5±0.03	6.0±0.3	6.9±0.1
king size filter	s	0.5	0.04	0.6	0.1	0.6	0.2
soft pack	CV	9.5	10.4	10.4	15.9	9.8	3.2
Tareyton Long Lights	\bar{X}	8.6±0.2	0.71±0.02	9.2±0.3	0.8±0.04	10.2±0.3	9.8±0.1
100 mm filter	s	0.5	0.05	0.6	0.1	0.7	0.3
soft pack	CV	6.3	6.4	6.8	10.9	6.5	2.9
Triumph	\bar{X}	3.6±0.1	0.37±0.02	4.3±0.2	0.4±0.02	4.4±0.2	7.2±0.1
king size filter	s	0.3	0.03	0.5	0.05	0.4	0.3
soft pack	CV	8.7	9.2	12.3	12.8	8.9	4.6
Triumph	\bar{X}	3.5±0.2	0.37±0.02	4.3±0.3	0.4±0.02	4.3±0.2	7.1±0.1
king size filter menthol	s	0.5	0.04	0.6	0.05	0.6	0.2
soft pack	CV	13.5	12.2	13.8	12.5	13.0	3.5
Triumph 100s	\bar{X}	5.1±0.2	0.50±0.01	6.7±0.2	0.5±0.02	6.1±0.2	8.6±0.2
100 mm filter	s	0.4	0.03	0.6	0.05	0.5	0.4
soft pack	CV	8.1	6.5	8.2	9.2	7.7	4.4
Triumph 100s	\bar{X}	5.7±0.2	0.55±0.02	7.5±0.4	0.6±0.03	6.8±0.3	8.6±0.1
100 mm filter menthol	s	0.5	0.04	0.8	0.1	0.6	0.3
soft pack	CV	8.7	6.8	10.4	12.5	8.4	3.7
True	\bar{X}	4.8±0.2	0.47±0.02	5.8±0.2	0.5±0.03	5.8±0.3	8.2±0.1
king size filter	s	0.5	0.04	0.5	0.1	0.6	0.2
soft pack	CV	9.8	8.8	9.2	14.7	9.8	2.4

Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
True king size filter menthol soft pack	\bar{X}	4.7±0.3	0.46±0.03	5.8±0.3	0.5±0.04	5.7±0.4	8.2±0.1
	s	0.7	0.06	0.7	0.1	0.8	0.3
	CV	14.9	12.2	12.9	15.0	14.4	3.5
True 100's 100 mm filter soft pack	\bar{X}	7.1±0.3	0.67±0.03	7.4±0.4	0.7±0.04	8.4±0.4	9.7±0.1
	s	0.7	0.06	0.8	0.1	0.9	0.3
	CV	10.6	9.4	10.8	12.9	10.5	3.0
True 100's 100 mm filter menthol soft pack	\bar{X}	7.2±0.4	0.68±0.03	7.5±0.4	0.8±0.1	8.7±0.4	9.5±0.1
	s	0.8	0.06	1.0	0.1	1.0	0.3
	CV	11.3	8.8	13.2	15.0	11.3	3.4
Vantage king size filter soft pack	\bar{X}	10.6±0.3	0.72±0.02	13.6±0.4	1.4±0.1	12.7±0.4	7.4±0.1
	s	0.7	0.05	0.8	0.2	0.9	0.3
	CV	6.2	6.6	6.0	12.5	6.7	3.5
Vantage king size filter menthol soft pack	\bar{X}	10.3±0.3	0.69±0.02	12.8±0.4	1.2±0.1	12.2±0.4	8.0±0.1
	s	0.7	0.03	1.0	0.2	0.9	0.3
	CV	7.1	4.9	7.7	13.0	7.4	3.3
Vantage 100s 100 mm filter soft pack	\bar{X}	8.8±0.1	0.62±0.01	12.3±0.2	0.9±0.02	10.3±0.2	9.0±0.1
	s	0.3	0.02	0.5	0.05	0.4	0.3
	CV	3.5	3.4	4.1	5.8	3.5	2.8
Vantage Menthol 100s 100 mm filter menthol soft pack	\bar{X}	8.4±0.1	0.61±0.02	12.5±0.3	0.9±0.1	9.9±0.1	9.2±0.1
	s	0.2	0.04	0.6	0.1	0.3	0.2
	CV	2.9	6.4	4.7	14.2	3.3	2.5
Vantage Ultra Lights king size filter soft pack	\bar{X}	5.3±0.2	0.44±0.01	7.7±0.4	0.5±0.02	6.2±0.2	7.2±0.1
	s	0.4	0.03	0.9	0.1	0.5	0.2
	CV	7.8	7.2	11.2	10.9	7.8	3.2
Vantage Ultra Lights 100s 100 mm filter soft pack	\bar{X}	5.6±0.1	0.47±0.02	9.2±0.3	0.5±0.02	6.6±0.2	8.9±0.2
	s	0.3	0.03	0.7	0.04	0.4	0.4
	CV	5.7	7.2	8.0	7.7	5.7	4.9

**Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Viceroy king size filter soft pack	\bar{X} s CV	15.1±0.3 0.6 4.1	0.96±0.02 0.05 5.3	14.7±0.3 0.6 4.0	3.6±0.3 0.6 16.4	19.7±0.5 1.2 6.0	7.4±0.1 0.2 2.8
Viceroy Super Long 100's 100 mm filter soft pack	\bar{X} s CV	15.8±0.4 0.8 5.3	1.14±0.02 0.05 4.1	15.1±0.4 0.9 6.2	2.4±0.2 0.4 18.1	19.4±0.6 1.3 6.6	9.0±0.1 0.2 2.3
Viceroy Lights king size filter soft pack	\bar{X} s CV	11.5±0.3 0.7 5.8	0.86±0.02 0.05 5.6	13.4±0.4 0.8 6.2	1.5±0.1 0.3 20.9	13.8±0.4 1.0 7.1	8.1±0.1 0.3 3.6
Viceroy Lights 100's 100 mm filter soft pack	\bar{X} s CV	11.8±0.2 0.5 4.0	0.91±0.02 0.04 4.1	14.0±0.4 0.9 6.6	1.2±0.03 0.1 5.9	13.9±0.2 0.6 4.0	9.1±0.1 0.3 3.2
Virginia Slims 100 mm filter soft pack	\bar{X} s CV	15.4±0.2 0.5 3.0	1.06±0.01 0.03 3.1	14.1±0.2 0.5 3.8	2.2±0.1 0.2 8.8	18.6±0.3 0.6 3.3	9.9±0.1 0.3 2.6
Virginia Slims 100 mm filter menthol soft pack	\bar{X} s CV	15.4±0.3 0.7 4.5	1.07±0.02 0.05 4.7	13.5±0.4 0.8 5.8	2.3±0.1 0.3 14.7	18.7±0.4 1.0 5.1	9.8±0.1 0.2 2.4
Virginia Slims Lights 100 mm filter hard pack	\bar{X} s CV	8.8±0.2 0.5 5.2	0.68±0.02 0.03 5.1	9.5±0.3 0.7 6.8	0.9±0.1 0.1 14.0	10.5±0.2 0.5 5.0	9.6±0.2 0.4 4.1
Virginia Slims Lights 100 mm filter menthol hard pack	\bar{X} s CV	8.6±0.2 0.4 5.0	0.68±0.02 0.04 6.2	9.2±0.2 0.5 5.2	0.9±0.03 0.1 7.8	10.1±0.2 0.5 5.0	9.6±0.1 0.3 3.2
Virginia Slims Lights 120's 120 mm filter hard pack	\bar{X} s CV	14.3±0.3 0.8 5.4	1.02±0.03 0.06 5.6	14.7±0.5 1.1 7.4	1.6±0.1 0.2 12.2	16.9±0.4 1.0 5.9	12.8±0.2 0.4 3.0

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Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Virginia Slims Lights 120's 120 mm filter menthol hard pack	\bar{X} s CV	14.6±0.5 1.0 7.1	1.05±0.02 0.04 4.1	14.5±0.5 1.2 8.2	1.7±0.1 0.3 15.1	17.3±0.6 1.3 7.6	13.0±0.2 0.4 2.8
Virginia Slims Ultra Lights 100 mm filter hard pack	\bar{X} s CV	5.9±0.1 0.3 4.3	0.49±0.01 0.02 4.8	6.8±0.2 0.4 6.3	0.6±0.02 0.04 7.9	6.9±0.1 0.3 4.3	8.8±0.1 0.3 3.3
Virginia Slims Ultra Lights 100 mm filter menthol hard pack	\bar{X} s CV	6.3±0.1 0.3 4.2	0.52±0.01 0.03 6.4	7.3±0.2 0.4 5.7	0.6±0.02 0.04 6.9	7.4±0.1 0.3 4.3	8.5±0.1 0.2 2.3
Winston king size filter hard pack	\bar{X} s CV	16.4±0.2 0.5 2.8	1.03±0.01 0.03 3.2	16.4±0.3 0.7 4.1	3.6±0.1 0.3 9.1	21.1±0.3 0.7 3.3	8.1±0.1 0.2 2.6
Winston king size filter soft pack	\bar{X} s CV	16.8±0.3 0.6 3.7	1.09±0.02 0.04 3.3	15.9±0.2 0.6 3.5	3.3±0.2 0.5 14.1	21.2±0.5 1.0 4.8	8.8±0.1 0.2 2.1
Winston 100's 100 mm filter soft pack	\bar{X} s CV	17.2±0.3 0.6 3.7	1.07±0.02 0.04 4.0	17.5±0.3 0.7 3.8	2.4±0.1 0.2 9.7	20.7±0.4 0.8 4.1	10.1±0.1 0.3 2.7
Winston Lights king size filter hard pack	\bar{X} s CV	10.0±0.2 0.5 4.9	0.63±0.01 0.03 5.2	11.9±0.3 0.7 5.9	1.2±0.1 0.1 10.8	11.8±0.3 0.6 5.4	7.6±0.1 0.2 3.2
Winston Lights king size filter soft pack	\bar{X} s CV	10.9±0.2 0.4 3.7	0.75±0.01 0.03 3.7	13.5±0.4 0.8 5.8	1.3±0.04 0.1 7.8	12.9±0.2 0.5 3.9	7.9±0.1 0.2 2.7
Winston Lights 100's 100 mm filter hard pack	\bar{X} s CV	9.6±0.2 0.4 4.5	0.67±0.01 0.02 3.7	11.1±0.3 0.7 6.4	1.0±0.04 0.1 8.0	11.3±0.2 0.5 4.7	9.6±0.1 0.3 3.2

PM3000762880

Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Winston Lights 100's	\bar{X}	11.2±0.2	0.79±0.01	13.0±0.3	1.2±0.04	13.2±0.2	9.5±0.1
100 mm filter	s	0.4	0.03	0.7	0.1	0.5	0.2
soft pack	CV	3.5	3.2	5.3	6.8	3.5	2.6
Winston Ultra Lights	\bar{X}	5.1±0.1	0.43±0.01	7.8±0.2	0.4±0.02	6.0±0.1	7.0±0.1
king size filter	s	0.3	0.02	0.6	0.04	0.3	0.2
soft pack	CV	5.3	5.8	7.1	8.6	5.3	3.1
Winston Ultra Lights 100's	\bar{X}	5.1±0.1	0.45±0.01	8.6±0.2	0.5±0.02	6.0±0.1	8.9±0.1
100 mm filter	s	0.3	0.03	0.5	0.05	0.3	0.3
soft pack	CV	5.4	6.0	5.8	10.2	5.2	3.3
Craven "A"	\bar{X}	15.5±0.3	1.13±0.02	15.7±0.3	3.4±0.2	20.0±0.4	9.2±0.1
king size filter	s	0.6	0.04	0.7	0.4	0.9	0.2
hard pack	CV	3.6	3.8	4.8	12.2	4.6	2.1
Craven "A"	\bar{X}	16.0±0.4	1.11±0.03	12.8±0.3	2.4±0.3	19.4±0.7	9.2±0.2
regular size filter	s	0.9	0.06	0.7	0.6	1.5	0.5
hard pack	CV	5.6	5.4	5.7	23.8	7.5	5.2
Dunhill International	\bar{X}	14.8±0.2	1.38±0.03	17.3±0.4	1.9±0.2	18.1±0.4	10.3±0.1
100 mm filter	s	0.5	0.06	0.9	0.4	0.9	0.3
hard pack	CV	3.7	4.2	5.1	19.9	5.0	3.2
Dunhill Menthol	\bar{X}	14.5±0.2	1.23±0.02	17.1±0.3	1.7±0.1	17.5±0.3	10.3±0.1
100 mm filter menthol	s	0.5	0.04	0.8	0.2	0.7	0.2
hard pack	CV	3.4	2.9	4.5	11.7	3.9	1.7
Dunhill International	\bar{X}	9.3±0.2	0.79±0.01	10.8±0.3	0.9±0.1	11.1±0.3	9.3±0.1
Superior Mild 100 mm filter	s	0.5	0.03	0.7	0.2	0.6	0.2
hard pack	CV	4.9	4.0	6.5	19.0	5.7	2.2
Rothmans	\bar{X}	18.6±0.3	1.27±0.03	20.4±0.3	4.4±0.3	24.3±0.6	9.8±0.1
king size filter	s	0.7	0.06	0.7	0.8	1.4	0.2
hard pack	CV	3.9	4.6	3.6	17.3	5.9	2.3

PM3000762881

300m
16.1m
16.1m
16.1m

16.1

300m
16.1m
16.1m
16.1m

16.1

Tobacco Institute Testing Laboratory
Market Sample 30
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Rothmans Special Mild king size filter hard pack	\bar{X} s CV	13.8±0.2 0.4 3.2	1.01±0.02 0.03 3.4	15.6±0.3 0.7 4.5	2.6±0.2 0.4 16.5	17.5±0.3 0.8 4.4	8.8±0.1 0.2 2.2
St. Moritz Filter 100s 100 mm filter soft pack	\bar{X} s CV	14.8±0.3 0.7 4.6	1.10±0.02 0.05 4.2	14.8±0.3 0.7 4.6	2.3±0.2 0.4 15.7	18.2±0.5 1.0 5.8	8.7±0.1 0.3 3.1
St. Moritz Menthol Filter 100 mm filter menthol soft pack	\bar{X} s CV	15.1±0.2 0.4 2.7	1.04±0.02 0.05 4.8	15.5±0.3 0.7 4.4	2.3±0.1 0.3 11.3	18.4±0.3 0.6 3.5	8.7±0.1 0.2 2.4
Industry Monitor 11	\bar{X} s CV	13.5±0.03 0.05 3.9	1.08±0.002 0.05 4.3	12.1±0.03 0.06 4.9	1.7±0.01 0.2 11.3	16.3±0.04 0.7 4.4	8.3±0.02 0.3 3.7

LAM

PM 12.5
TTL 13.0

B&W #10
13.2-12.8

PM3000762883